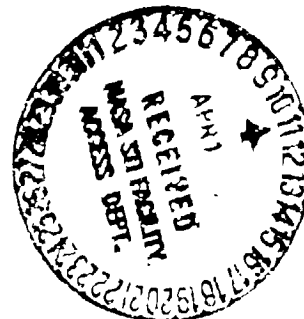


NASA Technical Memorandum 78764

Experimental Aerodynamic  
Characteristics at Mach Numbers  
From 0.60 to 2.70 of Two Supersonic  
Cruise Fighter Configurations

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FEBRUARY 1979



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Hampton, Virginia*



National Aeronautics  
and Space Administration

**Scientific and Technical  
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## SUMMARY

Two 0.085-scale full span wind-tunnel models of a Mach 1.60 design super-cruiser configuration were tested at Mach numbers from 0.60 to 2.70. One model incorporated a varying dihedral (swept-up) wing to obtain the desired lateral-directional characteristics; the other incorporated more conventional twin vertical tails. The data from the wind-tunnel tests are presented in this report without analysis.

## INTRODUCTION

As part of its program in response to increased national interest in efficient supersonic cruise aircraft (see ref. 1), the National Aeronautics and Space Administration funded a design study entitled "Design and Analysis of a Supersonic Penetration/Maneuvering Fighter," the results of which are reported in reference 2. These results provided concepts for three aerodynamically configured vehicles designed to cruise efficiently at supersonic speeds while maintaining good transonic maneuverability. The design Mach numbers were 1.6, 2.0, and 2.5 with an optimized configuration developed for each Mach number. An innovative feature of the three designs is the elimination of vertical surfaces dedicated to lateral-directional stability and control. The outboard 40 percent of the wing is swept up to provide the desired lateral-directional characteristics. In addition, there is no horizontal tail. The wing camber is designed so that the configuration is self-trimmed at cruise, and longitudinal control is provided by trailing-edge flaps and thrust vectoring. Excessive nose-down pitching moments from thrust vectoring are controlled by a pop-out canard at low speeds.

Two 0.085-scale full span wind-tunnel models of the Mach 1.60 design were constructed. One model incorporated the varying dihedral (swept-up) wing, and the other had a flat wing ( $0^\circ$  dihedral) with twin vertical tails for lateral-directional stability and control. The model with varying dihedral also has twist and camber in the wing and is referred to as the cambered model. The flat wing model ( $0^\circ$  dihedral model) has no camber or twist in the wing and is referred to as the uncambered model.

Significant distortion of the full-scale airplane lines was required in order to support the wind-tunnel models. The full-scale airplane concept is a highly blended configuration with outboard engines and a winglike surface with a zero-thickness trailing edge between the engine nacelles. The wind-tunnel models required that a cylindrical sting shield be placed along the center line to house the balance and sting. Flow visualization studies indicated that this distortion of the configuration resulted in the generation of a strong body shock on the wing that probably would not be present in the undistorted configuration. Differences between the cambered and flat wing configurations resulted in different sting shield distortions for the two models. As a result, the flow disturbances induced on the wings were different, and a rigorous comparison of the data for the two configurations should not be made.

# SYMBOLS

The measurements and calculations of this investigation were made in the U.S. Customary Units. Results are presented in the SI Units except in the computer printout of the appendix, where only U.S. Customary Units are used for dynamic pressure. (A waiver has been granted for this exception.)

b	wing span, 55.49 cm
c	chord, cm
$\bar{c}$	mean aerodynamic chord, 24.39 cm
$C_D$	drag coefficient, $\frac{\text{Drag}}{qS}$
$C_L$	lift coefficient, $\frac{\text{Lift}}{qS}$
$C_l$	rolling-moment coefficient, $\frac{\text{Rolling moment}}{qSb}$
$C_{l\beta}$	effective dihedral parameter, $\frac{\Delta C_l}{\Delta \beta}$ , per deg (where $\beta = 0^\circ$ and $30^\circ$ )
$C_m$	pitching-moment coefficient, $\frac{\text{Pitching moment}}{qS\bar{c}}$
$C_n$	yawing-moment coefficient, $\frac{\text{Yawing moment}}{qSb}$
$C_{n\beta}$	directional-stability parameter, $\frac{\Delta C_n}{\Delta \beta}$ , per deg (where $\beta = 0^\circ$ and $30^\circ$ )
$C_y$	side-force coefficient, $\frac{\text{Side force}}{qS}$
$C_{y\beta}$	side-force parameter, $\frac{\Delta C_y}{\Delta \beta}$ , per deg (where $\beta = 0^\circ$ and $30^\circ$ )



L/D	lift-drag ratio
M	free-stream Mach number
q	free-stream dynamic pressure, Pa
S	reference area of wing including fuselage intercept, 1241.37 cm <sup>2</sup>
t	local wing thickness, cm
x	longitudinal direction, positive rearward from nose of fuselage, cm
y	lateral direction, positive left, cm
z	vertical direction, positive up, cm
$\alpha$	angle of attack, deg
$\beta$	angle of sideslip, deg
$\epsilon$	airfoil twist angle, deg

Model component symbols:

IV	inboard vertical tails
N	nacelle planform simulator
OV	outboard vertical tails

#### DESCRIPTION OF MODELS

Three-view drawings of the cambered and the flat wing models are shown in figures 1(a) and 1(b), respectively. Drawings of the two sets of vertical tails tested on the flat wing model and the engine nacelle planform simulator that was tested on both models are shown in figures 1(c) to 1(e). Photographs of the cambered and the flat wing models are shown in figures 2(a) and 2(b), respectively. Table I presents the camber, twist, and thickness distributions for the model with varying dihedral (table does not include canopy and sting shield thickness). Table II presents the thickness ratio distribution for the flat wing which has no camber or twist (like table I, table II excludes canopy and sting shield thickness).

The wing planforms for the two models are designed for efficient cruise at Mach 1.60. The wing reference area  $S$  is 1241.37 cm<sup>2</sup>, the mean aerodynamic chord is 24.39 cm, and the aspect ratio is 2.48. The twist and camber in the wing with varying dihedral were designed to yield minimum drag due to lift and to be trimmed at a lift coefficient of 0.18. The second wing had no twist and camber.

The outboard 40 percent of the cambered wing was swept up to provide the desired lateral-directional characteristics. The flat wing configuration requires vertical tails in order to provide lateral-directional stability and control. Two sets of vertical tails were tested on the flat wing model. One set was located at 88 percent of the wing semispan, and an alternate set was located at the more inboard location of 50 percent of the wing semispan. Both sets of vertical tails were sized to have equal tail-volume ratios.

The planform area of the engine nacelles was simulated on both models by a flat plate that was attached to the wing at 50 percent of the wing semispan. The area increase due to the nacelle was not included in the wing thickness for either model. Theoretical aerodynamic estimates indicated that the planform area of the nacelles had a significant effect on the pitching-moment characteristics. The nacelle simulation plates were also removable.

#### TESTS AND CORRECTIONS

The tests were conducted in the Langley 8-foot transonic pressure tunnel and the Langley Unitary Plan wind tunnel at Mach numbers from 0.60 to 2.70. The conditions under which the tests were conducted are given in the following table:

Mach number	Reynolds number, per meter	Stagnation pressure, kPa	Stagnation temperature, K
0.60	8.20	79.52	322
.80	↓	66.94	↓
.90	↓	63.78	↓
.95	↓	62.48	↓
.96	↓	62.34	↓
.97	↓	62.15	↓
.98	↓	61.96	↓
1.03	↓	61.05	↓
1.20	↓	59.99	↓
1.60	6.56	54.63	339
2.00	↓	63.54	↓
2.36	↓	75.65	↓
2.70	↓	90.40	↓

The data presented that were taken at Mach 1.03 in the Langley 8-foot transonic pressure tunnel were not corrected for the severe tunnel-wall interference that exists at this test condition.

The dew point was maintained sufficiently low to prevent measurable condensation effects in the test section. The angle of attack ranged approximately from  $-6^{\circ}$  to  $20^{\circ}$ . To insure boundary-layer transition to turbulent flow at

conditions between Mach 0.60 and 1.20, transition strips 0.16 cm of No. 60 carborundum grit were placed on the body 3.05 cm aft of the nose of the model, and strips of No. 80 carborundum grit were placed streamwise 1.02 cm aft of the leading edge on the wings and tails. At conditions between Mach 1.60 and 2.70, strips of No. 50 carborundum grit were used. The transition strips were shown to be adequate in the conclusions of reference 3.

Aerodynamic forces and moments on the model were measured by a six-component strain-gage balance which was housed within the model. The balance was attached to a sting which in turn was rigidly fastened to the model support system of the tunnel. Balance-chamber static pressure was measured with pressure tubes located in the vicinity of the balance. The drag data presented herein have been corrected to the condition of free-stream static pressure in the balance chamber. Corrections to the angles of attack and sideslip of the model have been made for both tunnel airflow misalignment and for the deflection of the balance and sting under load.

#### PRESENTATION OF RESULTS

The results of the wind-tunnel tests are presented in the following figures. The tabular data from which the figures are plotted are presented in the appendix. No analysis of the data is made.

	Figure
Subsonic and transonic longitudinal aerodynamic characteristics of cambered wing configurations . . . . .	3
Supersonic longitudinal aerodynamic characteristics of cambered wing configurations . . . . .	4
Subsonic and transonic longitudinal aerodynamic characteristics of uncambered wing configurations . . . . .	5
Supersonic longitudinal aerodynamic characteristics of uncambered wing configurations . . . . .	6
Subsonic and transonic longitudinal aerodynamic characteristics of cambered and uncambered wing configurations . . . . .	7
Supersonic longitudinal aerodynamic characteristics of cambered and uncambered wing configurations . . . . .	8
Subsonic and transonic lateral aerodynamic characteristics of cambered wing configurations (without nacelle planform simulation) . . . . .	9
Supersonic lateral aerodynamic characteristics of cambered wing configurations at $\alpha \sim -5.2^\circ$ . . . . .	10
Supersonic lateral aerodynamic characteristics of cambered wing configurations at $\alpha \sim -0.6^\circ$ . . . . .	11
Supersonic lateral aerodynamic characteristics of cambered wing configurations at $\alpha \sim 6.4^\circ$ . . . . .	12
Subsonic and transonic lateral aerodynamic characteristics of cambered and uncambered wing configurations at $\alpha \sim 0.0^\circ$ . . . . .	13
Subsonic and transonic lateral aerodynamic characteristics of cambered and uncambered wing configurations at $\alpha \sim 6.1^\circ$ . . . . .	14

	Figure
Subsonic and transonic lateral aerodynamic characteristics of uncambered wing configurations at $\alpha \approx 9.2^\circ$ . . . . .	15
Supersonic lateral aerodynamic characteristics of uncambered wing configurations at $\alpha \approx 0.0^\circ$ . . . . .	16
Supersonic lateral aerodynamic characteristics of uncambered wing configurations at $\alpha \approx 4.6^\circ$ . . . . .	17
Supersonic lateral aerodynamic characteristics of uncambered wing configurations at $\alpha \approx 11.6^\circ$ . . . . .	18
Supersonic sideslip derivatives of cambered wing configurations . . . . .	19
Supersonic sideslip derivatives of uncambered wing configurations . . . . .	20
Supersonic sideslip derivatives of cambered and uncambered wing configurations . . . . .	21

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 November 16, 1978

# APPENDIX

## TABULAR DATA

Presented in this appendix are a tabular data listing, definitions of symbols used, and computer printouts of the data.

The tabular data are presented in the order indicated in the following table:

Test	Run	Mach number	Variable	Configuration
Subsonic and transonic data				
726	1	1.20	$\alpha$	Cambered
	2	1.03		
	3	.98		
	4	.97		
	5	.96		
	6	.95		
	7	.90		
	8	.80		
	9	.60		
	10	1.20	$\beta$ (at $\alpha \approx 0.5^\circ$ )	
	11	.95		
	12	.90		
	13	.80		
	14	.60		
	15	1.20	$\beta$ (at $\alpha \approx 3.5^\circ$ )	
	16	.95		
	17	.90		
	18	.80		
	19	.60		
	20	1.20	$\beta$ (at $\alpha \approx -2.9^\circ$ )	
	21	.95		
	22	.90		
	23	.80		
	24	.60		
	25	.95	$\alpha$	Cambered + N
	26	.90		
	27	.80		
	28	.60		
	29	1.20		
	30	1.03		

# APPENDIX

Test	Run	Mach number	Variable	Configuration
Subsonic and transonic data				
729	1	1.20	$\alpha$	Uncambered + OV + N
	2	.95		
	3	.90		
	4	.60		
	5	1.20	$\beta$ (at $\alpha \sim 6.1^\circ$ )	
	6	.95		
	7	.90		
	8	.60		
	9	1.20	$\beta$ (at $\alpha \sim 0.0^\circ$ )	
	10	.95		
	11	.90		
	12	.60		
	13	1.20	$\beta$ (at $\alpha \sim 9.2^\circ$ )	
	14	.95		
	15	.90		
	16	.60		
	17	1.20	$\alpha$	Uncambered + IV
	18	.95		
	19	.90		
	20	.60		
	21	1.20	$\beta$ (at $\alpha \sim 6.1^\circ$ )	
	22	.95		
	23	.90		
	24	.60		
	25	1.20	$\beta$ (at $\alpha \sim 0.0^\circ$ )	
	26	.95		
	27	.90		
	28	.60		
	29	1.20	$\beta$ (at $\alpha \sim 9.2^\circ$ )	
	30	.95		
	31	.90		
	32	.60		
	33	1.20	$\beta$ (at $\alpha \sim 9.2^\circ$ )	Uncambered
	34	.95		
	35	.90		
	36	.60		
	37	1.20	$\alpha$	
	38	1.03		
	39	.98		
	40	.97		
	41	.96		
	42	.95		
	43	.90		
	44	.80		
	45	.60		

# APPENDIX

Test	Run	Mach number	Variable	Configuration
Subsonic and transonic data				
729	46	1.20	$\beta$ (at $\alpha \approx 6.1^\circ$ )	Uncambered
	47	.95		
	48	.90		
	49	.60		
	50	1.20	$\beta$ (at $\alpha \approx 0.0^\circ$ )	
	51	.95		
	52	.90		
	53	.80		
	54	.60		
Supersonic data				
1114	7	1.60	$\alpha$	Cambered
	14	2.00		
	20	2.36		
	25	2.70		
	8	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	15	2.00		
	21	2.36		
	26	2.70		
	9	1.60	$\beta$ (at $\alpha \approx -5.2^\circ$ )	
	16	2.00		
	22	2.36		
	27	2.70		
	10	1.60	$\beta$ (at $\alpha \approx -0.6^\circ$ )	
	17	2.00		
	23	2.36		
	28	2.70		
	11	1.60	$\beta$ (at $\alpha \approx 6.4^\circ$ )	
	18	2.00		
	24	2.36		
	29	2.70		
	41	1.60	$\alpha$	Cambered + N
	46	2.00		
	31	2.36		
	36	2.70		
	42	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	47	2.00		
	32	2.36		
	37	2.70		
	43	1.60	$\beta$ (at $\alpha \approx -5.2^\circ$ )	
	48	2.00		
	33	2.36		
	38	2.70		

# APPENDIX

Test	Run	Mach number	Variable	Configuration
Supersonic data				
1114	44	1.60	$\beta$ (at $\alpha \sim -0.6^\circ$ )	Cambered + N
	49	2.00		
	34	2.36		
	39	2.70		
	45	1.60	$\beta$ (at $\alpha \sim 6.4^\circ$ )	
	50	2.00		
	35	2.36		
	40	2.70		
1116	11	1.60	$\alpha$	Uncambered + IV
	16	2.00		
	1	2.36		
	6	2.70		
	12	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	17	2.00		
	2	2.36		
	7	2.70		
	13	1.60	$\beta$ (at $\alpha \sim 0.0^\circ$ )	
	18	2.00		
	3	2.36		
	8	2.70		
	14	1.60	$\beta$ (at $\alpha \sim 4.6^\circ$ )	
	19	2.00		
	4	2.36		
	9	2.70		
	15	1.60	$\beta$ (at $\alpha \sim 11.6^\circ$ )	Uncambered
	20	2.00		
	5	2.36		
	10	2.70		
	21	1.60	$\alpha$	
	28	2.00		
	33	2.36		
	40	2.70		
	22	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	29	2.00		
	34	2.36		
	41	2.70		
	23	1.60	$\beta$ (at $\alpha \sim 0.0^\circ$ )	
	30	2.00		
	35	2.36		
	42	2.70		
	24	1.60	$\beta$ (at $\alpha \sim 4.6^\circ$ )	
	31	2.00		
	36	2.36		



# APPENDIX

Test	Run	Mach number	Variable	Configuration
Supersonic data				
1116	43	2.70	$\beta$ (at $\alpha \approx 4.6^\circ$ )	Uncambered
	25	1.60	$\beta$ (at $\alpha \approx 11.6^\circ$ )	
	32	2.00		
	37	2.36		
	44	2.70		
	45	1.60	$\alpha$	Uncambered + OV
	50	2.00		
	55	2.36		
	60	2.70		
	46	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	51	2.00		
	56	2.36		
	61	2.70		
	47	1.60	$\beta$ (at $\alpha \approx 0.0^\circ$ )	
	52	2.00		
	57	2.36		
	62	2.70		
	48	1.60	$\beta$ (at $\alpha \approx 4.6^\circ$ )	Uncambered + OV + N
	53	2.00		
	58	2.36		
	63	2.70		
	49	1.60	$\beta$ (at $\alpha \approx 11.6^\circ$ )	
	54	2.00		
	59	2.36		
	64	2.70		
	65	1.60	$\alpha$	
	70	2.00		
	75	2.36		
	80	2.70		
	66	1.60	$\alpha$ (at $\beta = 3^\circ$ )	
	71	2.00		
	76	2.36		
	81	2.70		
	67	1.60	$\beta$ (at $\alpha \approx 0.0^\circ$ )	
	72	2.00		
	77	2.36		
	82	2.70		
	68	1.60	$\beta$ (at $\alpha \approx 4.6^\circ$ )	
	73	2.00		
	78	2.36		
	83	2.70		
	69	1.60	$\beta$ (at $\alpha \approx 11.6^\circ$ )	
	74	2.00		
	79	2.36		
	84	2.70		

## APPENDIX

The symbols and abbreviations used in the computer printouts of the data are defined as follows:

ALPHA	angle of attack, deg
BETA	angle of sideslip, deg
CA	axial-force coefficient, $\frac{\text{Axial force}}{qS}$
CD	drag coefficient, $\frac{\text{Drag}}{qS}$
CL	lift coefficient, $\frac{\text{Lift}}{qS}$
CLS	rolling-moment coefficient in stability-axis system, $\frac{\text{Rolling moment}}{qSb}$
CM	pitching-moment coefficient, $\frac{\text{Pitching moment}}{qS\bar{c}}$
CN	normal-force coefficient, $\frac{\text{Normal force}}{qS}$
CNS	yawing-moment coefficient in stability-axis system, $\frac{\text{Yawing moment}}{qSb}$
CROLL and CLB	rolling-moment coefficient in body-axis system, $\frac{\text{Rolling moment}}{qSb}$
CSIDE	side-force coefficient, $\frac{\text{Side force}}{qS}$
CY	side-force coefficient, $\frac{\text{Side force}}{qS}$
CYAW and CNB	yawing-moment coefficient in body-axis system, $\frac{\text{Yawing moment}}{qSb}$
L/D	lift-drag ratio

## APPENDIX

MINF      free-stream Mach number

Q   and   DYN PRS      dynamic pressure,  $\text{lb/ft}^2$  ( $1 \text{ lb/ft}^2 = 47.88 \text{ Pa}$ )

PT          point number

PRJ          project (test) number

The printouts of the tabular data are presented on the following pages.

# APPENDIX

TEST 726										11/13/75									
RUN 1										CONFIG. 1									
MACH NO 1.200																			
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D						
18	1.200	521.17	-0.00	-6.72	-0.2557	-0.1382	-0.563	-0.0010	-0.0015	-0.0032	-0.2534	-0.4379	-5.79						
19	1.200	521.13	-0.00	-5.48	-0.1732	-0.1682	-0.438	-0.0011	-0.0010	-0.0019	-0.1708	-0.3327	-5.13						
20	1.200	521.16	-0.00	-4.23	-0.0913	-0.1933	-0.301	-0.0011	-0.0008	-0.0026	-0.0897	-0.2602	-3.45						
21	1.200	521.04	-0.00	-3.01	-0.0128	-0.2196	-0.148	-0.0013	-0.0009	-0.0028	-0.0116	-0.2259	-5.1						
22	1.200	520.96	-0.00	-1.78	-0.0613	-0.2406	-0.035	-0.0012	-0.0008	-0.0025	-0.020	-0.2214	2.80						
23	1.197	521.07	-0.00	-0.57	-0.1300	-0.2504	-0.076	-0.0013	-0.0009	-0.0021	-0.0214	-0.2374	5.40						
24	1.203	521.20	-0.00	-0.64	-0.1985	-0.2470	-0.174	-0.0012	-0.0008	-0.0013	-0.1982	-0.2691	7.37						
25	1.199	521.34	-0.00	1.85	-0.2672	-0.2307	-0.264	-0.0012	-0.0005	-0.0005	-0.2653	-0.3170	8.40						
26	1.194	520.66	-0.00	3.08	-0.3366	-0.2043	-0.333	-0.0011	-0.0002	-0.0004	-0.3350	-0.3886	8.62						
27	1.198	520.79	-0.01	4.32	-0.4089	-0.1962	-0.388	-0.0037	-0.0009	-0.0033	-0.4062	-0.5039	8.06						
28	1.200	521.14	-0.01	6.88	-0.5649	-0.1942	-0.392	-0.0007	-0.0009	-0.0005	-0.5579	-0.9181	6.08						
29	1.203	520.98	-0.00	-5.47	-0.1724	-0.1691	-0.435	-0.0011	-0.0010	-0.0020	-0.1700	-0.3296	-5.16						

TEST 726										11/13/75									
RUN 2										CONFIG. 1									
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D						
30	1.029	483.65	-0.01	-6.79	-0.3008	-0.1313	-0.671	-0.0018	-0.0027	-0.0046	-0.2971	-0.4861	-6.11						
31	1.030	483.94	-0.00	-5.51	-0.2029	-0.1709	-0.498	-0.0010	-0.0011	-0.0019	-0.2003	-0.3651	-5.49						
32	1.030	483.70	-0.00	-4.24	-0.1042	-0.1994	-0.343	-0.0010	-0.0008	-0.0017	-0.1024	-0.2759	-3.71						
33	1.029	483.53	-0.00	-3.00	-0.0144	-0.2333	-0.155	-0.0009	-0.0007	-0.0020	-0.0131	-0.2405	-1.55						
34	1.029	483.59	-0.00	-1.79	-0.0631	-0.2578	-0.015	-0.0011	-0.0008	-0.0019	-0.0639	-0.2300	2.68						
35	1.029	483.67	-0.00	-0.57	-0.1392	-0.2728	-0.010	-0.0011	-0.0007	-0.0016	-0.1395	-0.2589	5.39						
36	1.029	483.67	-0.00	-0.63	-0.2125	-0.2702	-0.016	-0.0011	-0.0008	-0.0011	-0.2122	-0.2934	7.23						
37	1.029	483.32	-0.00	1.84	-0.2873	-0.2552	-0.327	-0.0011	-0.0007	-0.0005	-0.2864	-0.3472	8.25						
38	1.029	483.43	-0.00	3.07	-0.3695	-0.2315	-0.432	-0.0009	-0.0004	-0.0003	-0.3678	-0.4268	8.58						
39	1.029	483.51	-0.01	4.30	-0.4457	-0.2315	-0.432	-0.0011	-0.0011	-0.0004	-0.4428	-0.5545	7.98						
40	1.029	483.61	-0.01	6.87	-0.6098	-0.2835	-0.427	-0.0005	-0.0006	-0.0009	-0.6020	-1.0111	5.95						
41	1.029	483.53	-0.00	-5.53	-0.2032	-0.1696	-0.496	-0.0008	-0.0010	-0.0020	-0.2006	-0.3645	-5.50						

TEST 726										11/13/75									
RUN 3										CONFIG. 1									
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D						
42	0.974	473.20	-0.00	-6.81	-3086	-00696	-0594	-0012	-0014	-0025	-3056	-04351	-7.02						
43	0.970	470.28	-0.00	-5.53	-2050	-01043	-0429	-0010	-0006	-0016	-2030	-03312	-6.74						
44	0.963	470.42	-0.00	-4.26	-1061	-01298	-0285	-0008	-0005	-0013	-1048	-02083	-5.01						
45	0.963	470.44	-0.00	-3.03	-0200	-01589	-0160	-0010	-0006	-0016	-0191	-01692	-1.11						
46	0.963	473.65	-0.00	-1.81	-0565	-01831	-0065	-0010	-0007	-0017	-0571	-01651	3.56						
47	0.979	470.29	-0.00	-0.59	-1327	-01963	-0006	-0010	-0006	-0012	-1328	-01878	7.27						
48	0.979	470.43	-0.00	-0.63	-2061	-01948	-0090	-0009	-0006	-0008	-2059	-02172	9.48						
49	0.979	470.17	-0.00	1.83	-2801	-01835	-0193	-0009	-0006	-0003	-2794	-02729	10.24						
50	0.979	470.31	-0.01	3.07	-3669	-01713	-0329	-0011	-0010	-0007	-3654	-0375	9.34						
51	0.979	470.09	-0.01	4.30	-4462	-01676	-0435	-0009	-0009	-0001	-4437	-05018	8.84						
52	0.981	473.81	-0.01	6.83	-6096	-02348	-0397	-0002	-0004	-0020	-6024	-09581	6.29						
53	0.983	470.31	-0.00	-5.54	-2058	-01040	-0436	-0010	-0007	-0010	-2038	-03021	-6.75						

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TEST 726 RUN 4 MACH NO .970 CONFIG. 1 11/13/75

POINT	MINE	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAM	CSIOE	CL	CD	L/D
54	.973	467.78	.00	-6.43	-3042	.00641	.0523	-.0011	.0015	-.0023	-.3032	-.04277	-7.09
55	.973	467.85	.00	-5.53	-1989	.00973	.0344	-.0009	.0007	-.0011	-.1980	-.02894	-6.84
56	.973	467.85	.00	-4.24	-1008	.01234	.0256	-.0010	.0006	-.0015	-.0996	-.01976	-5.04
57	.971	468.30	.00	-3.03	-.0192	.01513	.0141	-.0010	.0006	-.0014	-.0184	-.01612	-1.14
58	.970	467.91	.00	-1.80	-.0570	.01733	.0065	-.0009	.0006	-.0014	-.0575	-.01554	3.70
59	.973	467.70	.00	-.60	.1269	.01858	.0011	-.0011	.0006	-.0010	.1271	-.01725	7.26
60	.973	467.70	.00	.62	.1982	.01832	-.0046	-.0011	.0007	-.0007	.1980	-.02047	9.67
61	.973	467.76	.00	1.83	.2729	.01733	-.0118	-.0010	.0006	-.0033	.2722	-.02572	10.58
62	.973	467.70	.01	3.05	.3521	.01578	-.0223	-.0011	.0011	-.0008	.3508	-.03448	10.17
63	.969	467.55	.01	4.28	.4347	.01546	-.0330	-.0009	.0008	-.0006	.4323	-.04786	9.03
64	.973	467.54	.01	6.41	.6070	.02121	-.0400	-.0007	.0008	-.0011	.6002	-.09302	6.45
65	.970	467.62	.00	-5.54	-.2014	.00970	.0373	-.0008	.0006	-.0009	-.1996	-.02911	-6.86

TEST 726 RUN 5 MACH NO .980 CONFIG. 1 11/13/75

POINT	MINE	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAM	CSIOE	CL	CD	L/D
66	.959	464.83	.00	-6.83	-3004	.00598	.0459	-.0010	.0014	-.0021	-.2976	-.04164	-7.15
67	.963	465.06	.00	-5.52	-.1951	.00942	.0332	-.0008	.0007	-.0010	-.1933	-.02814	-6.87
68	.960	465.01	.00	-4.24	-.0990	.01172	.0232	-.0009	.0005	-.0012	-.0979	-.01901	-5.15
69	.959	465.04	.00	-3.03	-.0177	.01441	.0129	-.0010	.0006	-.0016	-.0169	-.01932	-1.10
70	.959	464.99	.00	-1.82	.0548	.01656	.0060	-.0010	.0006	-.0016	.0553	-.01481	3.74
71	.960	464.95	.00	-.59	.1271	.01794	.0012	-.0009	.0006	-.0009	.1273	-.01662	7.66
72	.963	465.31	.00	.62	.1973	.01756	-.0037	-.0009	.0006	-.0006	.1971	-.01968	10.02
73	.963	465.35	.00	1.81	.2657	.01603	-.0085	-.0010	.0006	-.0001	.2651	-.02441	10.86
74	.959	464.93	.01	3.04	.3445	.01462	-.0157	-.0012	.0012	-.0008	.3432	-.03245	10.45
75	.959	464.97	.01	4.27	.4251	.01420	-.0236	-.0008	.0006	-.0006	.4229	-.04582	9.23
76	.957	464.65	.01	6.40	.6004	.01993	-.0324	-.0006	.0007	-.0013	.5938	-.09087	6.53
77	.963	465.43	.00	-5.52	-.1961	.00941	.0335	-.0010	.0007	-.0009	-.1943	-.02824	-6.88

TEST 726 RUN 6 MACH NO .950 CONFIG. 1 11/13/75

POINT	MINE	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAM	CSIOE	CL	CD	L/D
78	.959	461.70	.00	-6.81	-.2943	.00594	.0424	-.0008	.0011	-.0012	-.2915	-.04080	-7.14
79	.951	462.25	.00	-5.53	-.1965	.00906	.0311	-.0009	.0009	-.0012	-.1948	-.02795	-6.97
80	.951	462.29	.00	-4.25	-.0991	.01142	.0228	-.0009	.0005	-.0011	-.0980	-.01874	-5.23
81	.951	462.12	.00	-3.03	-.0205	.01396	.0126	-.0010	.0006	-.0012	-.0198	-.01503	-1.22
82	.953	461.96	.00	-1.81	.0552	.01628	.0041	-.0010	.0006	-.0012	.0557	-.01453	3.83
83	.953	461.92	.00	-.60	.1251	.01752	.0014	-.0011	.0006	-.0009	.1252	-.01620	7.71
84	.953	461.85	.00	.60	.1934	.01705	-.0034	-.0009	.0006	-.0003	.1932	-.01908	10.13
85	.950	461.92	.00	1.81	.2646	.01545	-.0076	-.0010	.0005	-.0000	.2640	-.02381	11.09
86	.953	461.68	.01	3.01	.3347	.01403	-.0135	-.0010	.0009	-.0001	.3355	-.03170	10.58
87	.953	461.64	.01	4.24	.4152	.01328	-.0189	-.0010	.0007	-.0003	.4131	-.04412	9.26
88	.949	461.61	.01	6.49	.5903	.01880	-.0242	-.0002	.0005	-.0019	.5841	-.08849	6.60
89	.949	461.49	.01	7.62	.6444	.02254	-.0176	-.0007	.0009	-.0012	.6358	-.10780	5.90
90	.953	461.85	.00	-5.51	-.1921	.00917	.0309	-.0009	.0009	-.0009	-.1904	-.02759	-6.90

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TEST 726 RUN 7 MACH NO .900 CONFIG. 1 11/13/75

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CYAN	CSIDE	CL	CD	L/D
91	.901	447.18	-.01	-6.77	-.2829	-.00602	.0338	-.0009	-.0009	-.0004	-.2802	.03930	-7.13
92	.901	447.29	-.00	-5.51	-.1867	-.00901	.0260	-.0011	-.0008	-.0012	-.1850	.02689	-6.88
93	.903	446.82	-.00	-6.25	-.0975	-.01103	.0203	-.0009	-.0004	-.0003	-.0964	.01822	-5.29
94	.903	446.82	-.00	-3.04	-.0202	-.01358	.0114	-.0011	-.0005	-.0012	-.0194	.01463	-1.33
95	.901	446.99	-.00	-1.82	-.0558	-.01576	.0062	-.0010	-.0006	-.0011	-.0563	.01398	4.03
96	.901	447.33	-.00	-.62	-.1211	-.01691	.0026	-.0010	-.0005	-.0009	-.1213	.01559	7.78
97	.903	446.45	-.00	-.56	-.1851	-.01642	-.0012	-.0011	-.0005	-.0003	-.1849	.01824	10.14
98	.903	446.71	-.00	1.75	-.2515	-.01570	-.0040	-.0009	-.0004	-.0005	-.2509	.02236	11.22
99	.903	446.95	-.01	2.96	-.3231	-.01668	-.0081	-.0013	-.0011	-.0007	-.3240	.02945	11.00
100	.901	447.13	-.01	4.17	-.3992	-.01177	-.0125	-.0008	.0006	.0011	.3973	.04080	9.74
101	.901	447.32	-.01	6.67	-.5650	-.01557	-.0149	-.0007	.0008	.0016	.5593	.08113	6.89
102	.901	447.18	-.01	8.11	-.6583	-.02121	-.0040	-.0009	.0010	.0008	.6487	.11368	5.70
103	.900	446.70	-.00	-5.50	-.1874	-.00903	.0261	-.0010	.0008	-.0009	-.1857	.02694	-6.89

TEST 726 RUN 8 MACH NO .800 CONFIG. 1 11/13/75

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CYAN	CSIDE	CL	CD	D
104	.803	412.62	-.00	-6.68	-.2614	-.00690	.0245	-.0010	-.0009	-.0005	-.2588	.03726	95
105	.803	412.75	-.00	-5.45	-.1742	-.00939	.0203	-.0009	-.0009	-.0008	-.1725	.02588	-6.66
106	.803	412.74	-.00	-6.22	-.0915	-.01137	.0168	-.0010	-.0004	-.0004	-.0904	.01808	-5.00
107	.799	411.92	-.00	-3.02	-.0153	-.01373	.0105	-.0011	-.0004	-.0004	-.0146	.01452	-1.00
108	.803	412.61	-.00	-1.85	-.0492	-.01557	.0069	-.0012	.0004	-.0006	-.0496	.01398	3.54
109	.803	412.62	-.00	-.66	-.1139	-.01664	.0047	-.0012	-.0005	-.0007	-.1141	.01534	7.44
110	.799	412.01	-.00	-.49	-.1763	-.01621	.0024	-.0011	-.0004	-.0001	-.1762	.01172	9.94
111	.799	412.16	-.00	1.66	-.2369	-.01566	-.0008	-.0011	.0001	.0003	.2384	.02131	11.09
112	.803	412.62	-.00	2.86	-.3049	-.01222	-.0013	-.0012	-.0008	-.0004	.3039	.02740	11.09
113	.801	412.95	-.01	4.04	-.3736	-.01095	-.0039	-.0008	.0006	.0009	.3719	.03727	9.98
114	.803	412.70	-.01	6.49	-.5298	-.01298	-.0032	-.0008	.0011	.0011	.5249	.07275	7.22
115	.801	413.21	-.01	9.01	-.6984	-.02111	.0132	-.0005	.0011	.0004	.6865	.13020	5.27
116	.803	412.74	-.01	9.29	-.7147	-.02147	.0164	-.0004	.0010	.0009	.7018	.13697	5.12
117	.803	412.05	-.00	-5.44	-.1721	-.00952	.0208	-.0010	.0008	-.0006	-.1704	.02579	-6.61

TEST 726 RUN 9 MACH NO .600 CONFIG. 1 11/13/75

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CYAN	CSIDE	CL	CD	L/D
118	.599	323.96	-.00	-6.51	-.2391	-.00791	.0165	-.0009	-.0009	-.0006	-.2367	.03498	-6.77
119	.599	323.88	-.00	-5.34	-.1621	-.01000	.0165	-.0010	-.0008	-.0003	-.1604	.02504	-6.41
120	.603	329.88	-.00	-4.16	-.0814	-.01178	.0146	-.0008	-.0003	-.0003	-.0803	.01765	-4.55
121	.603	330.04	-.00	-3.01	-.0118	-.01390	.0102	-.0009	-.0004	-.0001	-.0110	.01450	-1.76
122	.601	330.30	-.00	-1.89	-.0462	-.01565	.0082	-.0013	.0005	-.0005	-.0447	.01412	3.31
123	.603	329.76	-.00	-.76	-.1021	-.01646	.0049	-.0011	-.0004	-.0002	-.1023	.01510	6.78
124	.603	329.76	-.00	-.37	-.1634	-.01630	.0058	-.0010	-.0003	.0003	.1633	.01736	9.51
125	.601	330.34	-.00	1.49	-.2187	-.01465	-.0048	-.0011	-.0004	.0008	.2183	.02035	10.73
126	.601	329.68	-.01	2.62	-.2768	-.01225	-.0048	-.0011	-.0005	.0010	.2760	.02491	11.08
127	.601	330.50	-.01	3.78	-.3460	-.01046	-.0031	-.0013	.0008	.0009	.3445	.03323	10.37
128	.603	329.79	-.01	6.10	-.4799	-.01006	-.0068	-.0020	.0018	.0001	.4762	.06097	7.81
129	.603	329.84	-.01	8.48	-.6463	-.01526	.0142	-.0004	.0009	.0015	.6370	.11038	5.77
130	.603	330.34	-.01	10.88	-.7936	-.02137	.0435	-.0005	.0012	.0012	.7753	.17053	4.55
131	.601	330.30	-.01	12.58	-.8936	-.02478	.0773	-.0010	.0015	.0014	.8647	.21887	3.96
132	.601	330.71	-.00	-5.32	-.1579	-.01002	.0163	-.0011	.0008	-.0000	-.1563	.02462	-6.35

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TEST 726				RUN 10		MACM MD 1.200		CONFIG. 2		11/13/75			
POINT	MINF	W	BETA	ALPHA	CN	CA	CM	CROLL	CYAM	CSIDE	CL	CD	L/D
17	1.200	521.82	-6.19	.70	-2069	.02388	-.0123	.0157	.0015	-.0002	.0066	.02639	7.83
18	1.200	521.49	-4.11	.68	-2037	.02399	-.0132	.0103	.0014	.0024	.0234	.02642	7.70
19	1.200	521.29	-2.06	.66	-1992	.02410	-.0140	.0049	.0014	.0128	.0198	.02647	7.6
20	1.199	521.12	-1.03	.65	-1966	.02414	-.0142	.0020	.0012	.0061	.0163	.02638	7.44
21	1.199	521.12	.00	.65	-1950	.02407	-.0146	-.0007	.0010	-.0003	.0197	.02627	7.31
22	1.200	521.12	1.03	.65	-1957	.02405	-.0149	-.0035	.0010	-.0048	.0195	.02626	7.44
23	1.200	521.44	2.05	.64	-1957	.02401	-.0153	-.0049	.0007	-.0133	.0195	.02619	7.43
24	1.201	521.70	3.08	.65	-1965	.02399	-.0157	-.0089	.0005	-.0201	.0192	.02621	7.49
25	1.200	521.40	4.11	.65	-1959	.02397	-.0156	-.0115	.0004	-.0264	.0196	.02608	7.50
26	1.200	521.30	6.18	.65	-1985	.02374	-.0157	-.0166	-.0002	-.0406	.0192	.02600	7.62
27	1.199	521.15	-.01	.65	-1956	.02402	-.0146	-.0036	.0011	-.0000	.0193	.02623	7.45

TEST 726										RUN 11		CONFIG. 2			11/13/75	
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAM	CSIDE	CL	CD				
28	.951	462.68	-5.15	.67	-2161	.01621	-.0038	.0160	.0035	.0031	.2139	.01649				
29	.951	461.72	-4.09	.65	-2094	.01663	-.0039	-.0099	.0029	.0230	.2092	.01900				
30	.950	461.95	-2.05	.63	-2047	.01688	-.0048	-.0063	.0022	.0110	.2045	.01914				
31	.953	461.77	-1.02	.62	-2014	.01700	-.0048	-.0014	.0017	.0061	.2012	.01918				
32	.953	461.42	-.01	.61	-1988	.01705	-.0055	-.0011	.0011	.0004	.1986	.01917				
33	.953	462.31	1.02	.61	-1984	.01713	-.0061	-.0038	.0004	-.0052	.1982	.01921				
34	.953	461.99	2.04	.61	-1984	.01704	-.0064	-.0063	-.0002	-.0109	.1982	.01914				
35	.953	461.99	3.08	.61	-2004	.01682	-.0072	-.0042	-.0008	-.0168	.2003	.01896				
36	.953	461.82	4.11	.60	-1978	.01670	-.0078	-.0115	-.0013	-.0226	.1977	.01877				
37	.953	462.38	6.16	.62	-2030	.01616	-.0084	-.0148	-.0023	-.0352	.2028	.01834				
38	.950	461.98	-.00	.62	-2008	.01713	-.0051	-.0011	.0009	-.0003	.2006	.01930				

TEST 726				RUN 12		MACH NO .900		CONFIG. 2		11/13/75			
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D
39	.903	466.53	-6.15	.63	-2075	.01529	-.0015	.0157	.0030	.0334	.0203	.01757	11.80
40	.903	466.38	-4.09	.61	-2011	.01540	-.0014	.0096	.0026	.0222	.0209	.01794	11.20
41	.903	466.40	-2.06	.59	-1965	.01621	-.0020	.0040	.0019	.0110	.0163	.01824	10.76
42	.899	466.17	-1.03	.58	-1935	.01633	-.0023	.0013	.0015	.0059	.0133	.01830	10.57
43	.903	466.21	.00	.58	-1935	.01633	-.0032	-.0014	.0011	.0002	.0133	.01829	10.53
44	.903	466.26	1.01	.57	-1914	.01634	-.0042	-.0038	.0005	-.0007	.0114	.01827	10.54
45	.903	466.29	2.05	.57	-1921	.01621	-.0047	-.0063	-.0001	-.0107	.0119	.01812	10.59
46	.903	466.39	3.07	.57	-1915	.01599	-.0054	-.0090	-.0005	-.0162	.0113	.01789	10.69
47	.903	466.48	4.10	.57	-1926	.01592	-.0052	-.0113	-.0011	-.0218	.0125	.01784	10.79
48	.903	466.48	6.15	.58	-1960	.01537	-.0056	-.0165	-.0019	-.0330	.0158	.01736	11.28
49	.899	466.24	-.01	.57	-1910	.01632	-.0030	-.0011	.0010	-.0007	.0108	.01824	10.46

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TEST 726 RUN 13 MACH NO .800 CONFIG. 2 11/13/75

POINT	MINE	U	BETA	ALPHA	CN	CA	CM	CRULL	CYAW	CSIDE	CL	CD	L/D
50	.799	411.30	-6.12	.55	.1942	-.01506	-.0033	-.0146	-.0028	-.0319	-.1940	-.01494	11.46
51	.803	412.31	-4.09	.54	.1910	-.01559	-.0024	-.0090	-.0025	-.0213	-.1908	-.01740	10.97
52	.793	411.97	-2.05	.54	.1880	-.01593	-.0023	-.0037	-.0019	-.0108	-.1879	-.01789	10.62
53	.803	412.24	-1.03	.52	.1845	-.01616	-.0011	-.0010	-.0015	-.0036	-.1843	-.01784	10.33
54	.793	411.91	1.01	.51	.1827	-.01626	-.0003	-.0015	-.0006	-.0047	-.1825	-.01790	10.20
55	.799	411.75	1.02	.51	.1806	-.01610	-.0005	-.0038	-.0008	-.0067	-.1804	-.01769	10.20
56	.803	412.16	2.03	.51	.1828	-.01609	-.0013	-.0081	-.0001	-.0099	-.1826	-.01772	10.31
57	.803	411.96	3.07	.51	.1818	-.01584	-.0014	-.0085	-.0005	-.0155	-.1816	-.01749	10.39
58	.803	412.11	4.08	.51	.1819	-.01574	-.0018	-.0110	-.0009	-.0207	-.1817	-.01735	10.47
59	.799	411.98	6.13	.51	.1840	-.01505	-.0014	-.0156	-.0016	-.0312	-.1839	-.01670	11.01
60	.799	411.35	-.01	.51	.1825	-.01608	-.0005	-.0012	-.0010	-.0007	-.1824	-.01772	10.29

TEST 726 RUN 14 MACH NO .600 CONFIG. 2 11/13/75

POINT	MINE	U	BETA	ALPHA	CN	CA	CM	CRULL	CYAW	CSIDE	CL	CD	L/D
61	.803	333.05	-6.10	.43	.1831	-.01502	-.0073	-.0134	-.0024	-.0302	-.1830	-.01439	11.17
62	.803	329.97	-4.76	.42	.1781	-.01551	-.0067	-.0082	-.0023	-.0202	-.1780	-.01481	10.59
63	.803	329.99	-2.03	.41	.1773	-.01590	-.0051	-.0014	-.0013	-.0105	-.1772	-.01717	10.32
64	.803	329.80	-1.02	.39	.1701	-.01611	-.0040	-.0010	-.0013	-.0037	-.1700	-.01728	9.46
65	.803	330.46	1.00	.39	.1711	-.01611	-.0039	-.0014	-.0011	-.0011	-.1710	-.01729	9.88
66	.803	329.72	1.01	.39	.1705	-.01604	-.0029	-.0038	-.0007	-.0043	-.1704	-.01720	9.90
67	.803	330.31	2.03	.38	.1679	-.01600	-.0024	-.0080	-.0000	-.0096	-.1678	-.01712	9.80
68	.803	329.97	3.05	.39	.1703	-.01574	-.0021	-.0084	-.0004	-.0146	-.1702	-.01689	10.07
69	.803	329.81	4.07	.38	.1684	-.01557	-.0011	-.0107	-.0007	-.0200	-.1683	-.01669	10.09
70	.803	330.14	6.39	.39	.1710	-.01498	-.0016	-.0151	-.0014	-.0305	-.1709	-.01614	10.59
71	.803	329.72	-.02	.39	.1677	-.01610	-.0034	-.0014	-.0011	-.0011	-.1676	-.01723	9.73

TEST 726 RUN 15 MACH NO 1.200 CONFIG. 3 11/13/75

POINT	MINE	U	BETA	ALPHA	CN	CA	CM	CRULL	CYAW	CSIDE	CL	CD	L/D
74	1.203	521.12	-6.24	3.80	.3664	-.02317	-.0229	-.0228	-.0009	-.0515	-.3640	-.04872	7.88
75	1.203	521.25	-4.15	3.75	.3751	-.02131	-.0265	-.0136	-.0004	-.0333	-.3729	-.04577	8.15
76	1.203	521.15	-2.08	3.71	.3679	-.01984	-.0311	-.0057	-.0005	-.0169	-.3659	-.04350	8.40
77	1.203	521.25	-1.04	3.69	.3638	-.01952	-.0323	-.0020	-.0004	-.0093	-.3618	-.04287	8.44
78	1.203	521.38	1.00	3.68	.3609	-.01947	-.0325	-.0015	-.0006	-.0096	-.3589	-.04257	8.43
79	1.203	521.22	1.03	3.67	.3605	-.01954	-.0332	-.0052	-.0011	-.0079	-.3586	-.04259	8.42
80	1.203	521.40	2.07	3.64	.3570	-.01903	-.0332	-.0068	-.0013	-.0111	-.3550	-.04238	8.38
81	1.203	521.40	3.11	3.67	.3548	-.01947	-.0314	-.0120	-.0011	-.0252	-.3548	-.04281	8.33
82	1.203	521.25	4.12	3.68	.3589	-.02035	-.0296	-.0160	-.0015	-.0342	-.3568	-.04333	8.24
83	1.203	521.30	6.22	3.71	.3652	-.02219	-.0256	-.0237	-.0016	-.0513	-.3630	-.04581	7.92
84	1.203	521.15	-.01	3.67	.3603	-.01938	-.0328	-.0015	-.0006	-.0001	-.3583	-.04242	8.45



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TEST 726		RUN 16		MACH NO .990		CONFIG. 3		11/13/75	
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CSIDE	L/D
85	.951	441.01	-6.20	3.76	-4124	-01449	-0124	-0012	9.43
86	.951	442.21	-4.12	3.72	-3990	-01491	-0142	-0017	9.75
87	.951	442.22	-2.06	3.67	-3856	-01407	-0146	-0016	9.92
88	.951	442.16	-1.04	3.66	-3405	-01397	-0186	-0016	9.95
89	.951	442.16	-0.31	3.65	-3405	-01405	-0187	-0012	9.97
90	.951	442.16	1.03	3.63	-3776	-01433	-0197	-0007	9.91
91	.951	442.27	2.06	3.63	-3773	-01409	-0195	-0005	9.89
92	.951	442.32	3.10	3.63	-3740	-01415	-0195	-0004	9.85
93	.951	442.04	4.12	3.63	-3734	-01445	-0171	-0001	9.77
94	.951	442.44	6.14	3.66	-3418	-01562	-0155	-0005	9.51
95	.951	442.26	-0.31	3.64	-3790	-01401	-0199	-0012	9.92

TEST 726		RUN 17		MACH NO .900		CONFIG. 3		11/13/75	
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CSIDE	L/D
96	.900	446.24	-6.17	3.70	-3949	-01447	-0026	-0003	9.85
97	.900	446.32	-4.12	3.64	-3798	-01339	-0048	-0015	10.10
98	.900	446.36	-2.06	3.59	-3672	-01231	-0098	-0014	10.36
99	.900	446.46	-1.04	3.58	-3654	-01225	-0115	-0015	10.38
100	.900	446.86	1.03	3.58	-3434	-01231	-0125	-0020	10.34
101	.900	446.18	2.06	3.56	-3592	-01233	-0125	-0057	10.34
102	.900	446.33	3.06	3.55	-3575	-01240	-0125	-0096	10.31
103	.900	446.42	4.10	3.55	-3567	-01250	-0121	-0132	10.27
104	.900	446.30	6.14	3.56	-3564	-01273	-0103	-0169	10.19
105	.900	446.42	6.17	3.59	-3636	-01397	-0282	-0246	9.87
106	.900	446.59	-0.31	3.57	-3607	-01231	-0125	-0316	10.35

TEST 726		RUN 18		MACH NO .800		CONFIG. 3		11/13/75	
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CSIDE	L/D
116	.800	412.59	-6.14	3.55	-3667	-01340	-0059	-0004	10.12
117	.800	412.15	-4.09	3.51	-3548	-01227	-0026	-0014	10.41
118	.800	412.65	-2.04	3.47	-3460	-01142	-0012	-0017	10.65
119	.800	412.51	-1.04	3.45	-3410	-01134	-0036	-0018	10.67
120	.800	412.24	1.04	3.44	-3361	-01147	-0046	-0016	10.63
121	.800	412.34	2.04	3.43	-3365	-01161	-0054	-0015	10.60
122	.800	412.57	3.07	3.43	-3347	-01183	-0048	-0010	10.56
123	.800	412.93	4.11	3.43	-3334	-01196	-0033	-0008	10.47
124	.800	412.20	6.15	3.44	-3338	-01280	-0002	-0007	10.41
125	.800	412.62	-0.02	3.44	-3382	-01145	-0044	-0019	10.13
126	.800	412.62	-0.02	3.44	-3382	-01145	-0044	-0019	10.62

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TEST 726				RUN 19		MACH NO .600		CONFIG.		3		11/13/75	
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	
127	.599	329.13	-6.12	3.20	-3352	-01267	-0131	-0203	-0009	-0368	-3339	-03184	
128	.633	329.46	-4.38	3.25	-3259	-01154	-0093	-0121	-0017	-0254	-3247	-03004	
129	.603	329.17	-2.05	3.22	-3162	-01104	-0057	-0046	-0019	-0129	-3151	-02883	
131	.594	324.71	-1.03	3.22	-3168	-01095	-0031	-0359	-0020	-0070	-3157	-02871	
132	.594	324.67	-1.02	3.21	-3151	-01112	-0023	-0025	-0018	-0000	-3139	-02876	
133	.594	324.67	1.00	3.20	-3117	-01117	-0308	-0058	-0015	-0069	-3104	-02857	
134	.603	329.54	2.04	3.19	-3077	-01143	-0003	-0093	-0011	-0134	-3044	-02856	
135	.599	324.95	3.06	3.19	-3074	-01142	-0018	-0121	-0008	-0199	-3043	-02854	
136	.599	329.04	6.07	3.19	-3055	-01170	-0022	-0123	-0005	-0240	-3043	-02870	
137	.603	329.21	5.11	3.20	-3061	-01160	-0038	-0189	-0004	-0319	-3070	-02899	
138	.603	329.29	-3.1	3.21	-3123	-01117	-0019	-0023	-0018	-0000	-3112	-02862	

TEST 726		RUN 20		MACH NO 1.200		CONFIG.		11/13/75			
POINT	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD
142	521.46	-6.16	-2.90	-0142	-02294	-0143	-0097	-0029	-0330	-0153	-02220
143	521.36	-4.10	-2.90	-0146	-02282	-0153	-0063	-0023	-0205	-0157	-02204
144	521.48	-2.02	-2.90	-0126	-02253	-0150	-0028	-0018	-0091	-0137	-02184
145	521.41	-1.02	-2.91	-0130	-02244	-0142	-0010	-0015	-0034	-0141	-02175
146	521.41	1.00	-2.91	-0108	-02241	-0145	-0004	-0013	-0014	-0120	-02193
147	521.07	1.02	-2.91	-0132	-02244	-0133	-0023	-0011	-0042	-0143	-02174
148	521.21	2.04	-2.91	-0118	-02248	-0134	-0040	-0004	-0115	-0130	-02185
149	521.31	3.08	-2.91	-0123	-02261	-0124	-0055	-0002	-0170	-0135	-02195
150	521.43	4.09	-2.92	-0114	-02265	-0125	-0072	-0002	-0229	-0126	-02204
151	521.45	6.16	-2.92	-0134	-02244	-0104	-0104	-0013	-0331	-0145	-02215
152	521.36	-0.04	-2.91	-0121	-02249	-0137	-0005	-0013	-0011	-0132	-02175

TEST 726			RUN 21		MACH NO .950		CONFIG.		11/13/75			
POINT	HIGF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD
153	.953	462.01	-6.15	-2.49	-0262	-01557	-0077	-0093	-0027	-0298	-0270	-01423
154	.951	462.00	-4.10	-2.49	-0206	-01560	-0090	-0058	-0020	-0190	-0214	-01453
155	.951	462.13	-2.04	-2.49	-0183	-01552	-0083	-0023	-0014	-0089	-0190	-01457
156	.953	462.01	-1.01	-2.49	-0177	-01544	-0075	-0005	-0013	-0039	-0185	-01451
157	.953	461.48	-0.21	-2.49	-0153	-01533	-0044	-0039	-0018	-0007	-0161	-01453
158	.951	462.25	1.00	-2.49	-0140	-01544	-0041	-0025	-0007	-0053	-0152	-01450
159	.951	462.00	2.05	-2.49	-0144	-01530	-0046	-0041	-0003	-0103	-0152	-01455
160	.951	462.04	3.04	-2.49	-0152	-01534	-0046	-0057	-0000	-0152	-0160	-01454
161	.951	462.07	4.10	-2.49	-0162	-01529	-0041	-0072	-0004	-0203	-0170	-01444
162	.951	462.14	6.16	-2.49	-0189	-01523	-0045	-0103	-0014	-0310	-0196	-01425
163	.951	462.14	.00	-2.49	-0159	-01531	-0044	-0018	-0010	-0007	-0166	-01448

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		TEST 726		RUN 22		MACH NO .900		CONFIG.				11/13/75	
POINT	MINF	U	BETA	ALPHA	CM	CA	CM	CRULL	CYAW	CSIDE	CL	CO	L/D
164	.903	446.95	-6.12	-2.90	.0248	.01492	.0082	.0091	.0020	.0283	.0255	.01345	1.07
165	.931	447.30	-4.07	-2.91	.0195	.01496	.0049	.0056	.0016	.0185	.0203	.01395	1.55
166	.903	446.72	-2.02	-2.92	.0195	.01493	.0074	.0022	.0014	.0087	.0202	.01392	1.65
167	.931	447.11	-1.02	-2.93	.0176	.01494	.0071	.0026	.0013	.0039	.0183	.01392	1.31
168	.931	447.44	-3.00	-2.94	.0145	.01476	.0046	.0010	.0010	.0007	.0152	.01399	1.09
169	.903	446.97	-1.03	-2.94	.0140	.01476	.0041	.0024	.0008	.0053	.0147	.01402	1.05
170	.931	447.01	2.03	-2.94	.0153	.01476	.0056	.0024	.0005	.0099	.0140	.01396	1.15
171	.931	447.06	3.06	-2.94	.0146	.01467	.0055	.0016	.0003	.0149	.0153	.01390	1.10
172	.931	447.14	4.13	-2.93	.0176	.01475	.0054	.0074	.0000	.0196	.0189	.01383	1.32
173	.933	446.46	6.10	-2.93	.0176	.01452	.0047	.0103	.0007	.0298	.0185	.01359	1.36
174	.931	447.12	-3.1	-2.93	.0163	.01482	.0048	.0011	.0011	.0006	.0170	.01397	1.22

		TEST 726		RUN 23		MACH NO .800		CONFIG.		11/13/75			
POINT	MINF	U	BETA	ALPHA	CM	CA	CM	CRULL	CYAW	CSIDE	CL	CO	L/D
175	.933	412.29	-6.10	-2.91	.0232	.01478	.0089	.0099	.0016	.0280	.0239	.01358	1.76
176	.903	412.61	-4.06	-2.92	.0206	.01495	.0096	.0055	.0014	.0180	.0213	.01388	1.53
177	.933	412.01	-2.03	-2.93	.0179	.01491	.0077	.0020	.0014	.0086	.0177	.01403	1.26
178	.933	411.93	-1.02	-2.94	.0142	.01477	.0067	.0004	.0012	.0040	.0150	.01402	1.07
179	.933	411.93	.00	-2.94	.0164	.01481	.0059	.0012	.0011	.0008	.0171	.01395	1.23
180	.933	412.55	1.01	-2.94	.0149	.01475	.0058	.0026	.0007	.0050	.0157	.01397	1.12
181	.903	412.76	2.03	-2.94	.0151	.01475	.0057	.0042	.0004	.0096	.0158	.01395	1.13
182	.933	412.15	3.06	-2.94	.0156	.01475	.0058	.0057	.0004	.0141	.0163	.01393	1.17
183	.933	412.61	4.07	-2.94	.0176	.01472	.0059	.0074	.0002	.0194	.0181	.01381	1.31
184	.933	412.55	6.11	-2.94	.0168	.01445	.0050	.0101	.0004	.0293	.0176	.01356	1.29
185	.933	411.98	.00	-2.94	.0163	.01473	.0040	.0010	.0010	.0005	.0153	.01397	1.09

		TEST 726		RUN 24		MACH NO .600		CONFIG.		4		11/13/75	
POINT	MINF	U	BETA	ALPHA	CM	CA	CM	CRULL	CYAW	CSIDE	CL	CO	L/D
186	.949	324.96	-6.38	-2.93	.0213	.01485	.0098	.0090	.0012	.0276	.0220	.01374	1.60
187	.949	324.79	-4.36	-2.94	.0191	.01507	.0101	.0051	.0012	.0181	.0198	.01407	1.41
188	.903	324.14	-2.02	-2.94	.0177	.01509	.0079	.0017	.0013	.0048	.0184	.01416	1.30
189	.903	324.71	-1.01	-2.95	.0163	.01488	.0069	.0003	.0012	.0041	.0171	.01402	1.22
190	.903	324.63	.00	-2.95	.0152	.01493	.0057	.0013	.0011	.0032	.0168	.01402	1.19
191	.549	324.21	1.03	-2.96	.0161	.01478	.0057	.0027	.0009	.0048	.0169	.01403	1.04
192	.603	324.36	2.03	-2.95	.0168	.01477	.0058	.0043	.0007	.0057	.0155	.01399	1.11
193	.503	324.63	3.05	-2.95	.0184	.01477	.0058	.0058	.0006	.0142	.0171	.01391	1.23
194	.199	324.55	4.06	-2.95	.0169	.01469	.0056	.0073	.0005	.0189	.0156	.01390	1.12
195	.903	324.63	6.04	-2.95	.0155	.01439	.0053	.0102	.0000	.0288	.0163	.01357	1.20
196	.901	324.13	.31	-2.95	.0176	.01485	.0041	.0014	.0011	.0004	.0183	.01392	1.31

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TEST 726				RUN 25		MACH NO .950		CONF 16.		S		11/13/75	
POINT	WING	Q	BETA	ALPHA	CM	CA	CRLL	CVAY	CSIDE	CL	CD	L/D	
17	.951	.661.66	.30	-6.74	-2.734	.00850	-.0011	-.0008	-.0021	-.2709	-.04043	-6.44	
18	.951	.662.26	.30	-5.44	-1.900	.01172	-.0009	-.0005	-.0018	-.1800	-.03880	-6.31	
19	.951	.662.05	.30	-4.21	-.0943	.01514	-.0011	-.0006	-.0021	-.0970	-.02132	-6.35	
20	.951	.661.92	.30	-2.99	-.0185	.01677	-.0012	-.0008	-.0025	-.0176	-.01172	-6.49	
21	.951	.662.10	.30	-1.79	.0514	.01906	-.0012	-.0007	-.0022	-.0520	-.01744	2.94	
22	.951	.662.11	.30	-.57	.1239	.02034	-.0013	-.0008	-.0016	-.1241	-.01914	6.48	
23	.951	.662.14	.30	.41	.1844	.02004	-.0013	-.0008	-.0016	-.1844	-.02004	8.54	
24	.951	.661.86	.30	1.62	.2623	.01855	-.0013	-.0007	-.0012	-.2616	-.02004	9.73	
25	.951	.661.86	.30	3.05	.3393	.01694	-.0013	-.0007	-.0012	-.3379	-.02004	9.48	
26	.951	.661.81	.30	4.28	.4214	.01663	-.0011	-.0008	-.0000	-.4190	-.02004	8.72	
27	.951	.662.41	.30	6.01	.5991	.02253	-.0011	-.0010	-.0004	-.5922	-.02004	6.34	
28	.951	.661.73	.30	8.11	.8415	.02833	-.0015	-.0016	-.0004	-.8407	-.02004	5.40	
29	.951	.661.77	.30	-5.46	-.1085	.01155	-.0010	-.0004	-.0017	-.1065	-.02004	-6.32	

TEST 726		RUN 26		MACH NO .900		CONF 16.		S		11/13/75		
POINT	MEAF	Q	BETA	ALPHA	CM	CA	CRLL	CVAY	CSIDE	CL	CD	L/D
30	.951	.660.97	.30	-6.71	-2.652	.00836	-.0015	-.0012	-.0024	-.2624	-.03928	-6.50
31	.951	.660.70	.30	-5.45	-1.749	.01134	-.0011	-.0008	-.0017	-.1780	-.02039	-6.27
32	.951	.660.27	.30	-4.20	-.0575	.01346	-.0013	-.0004	-.0015	-.0943	-.02054	-6.48
33	.951	.660.14	.30	-2.99	-.0191	.01548	-.0013	-.0007	-.0021	-.0182	-.01696	-1.08
34	.951	.660.54	.30	-1.82	.0510	.01820	-.0013	-.0007	-.0020	-.0515	-.01659	3.10
35	.951	.660.29	.30	-.61	.1161	.01932	-.0014	-.0007	-.0018	-.1162	-.01809	6.43
36	.951	.660.96	.30	.56	.1853	.01906	-.0013	-.0007	-.0013	-.1851	-.02004	8.87
37	.951	.660.96	.30	1.77	.2811	.01742	-.0013	-.0007	-.0007	-.2804	-.02016	9.72
38	.951	.660.10	.30	2.96	.3239	.01544	-.0013	-.0008	-.0014	-.3227	-.02028	10.00
39	.951	.660.10	.30	4.20	.4040	.01544	-.0012	-.0008	-.0000	-.4018	-.02004	9.12
40	.951	.660.44	.30	6.72	.5759	.01930	-.0009	-.0011	-.0001	-.5697	-.02004	6.58
41	.951	.660.33	.30	8.00	.8552	.02467	-.0014	-.0015	-.0004	-.8454	-.02004	5.58
42	.951	.660.15	.30	-5.46	-.1038	.01124	-.0011	-.0008	-.0020	-.1019	-.02004	-6.34

TEST 726		RUN 27		MACH NO .800		CONF 16.		S		11/13/75		
POINT	MEAF	Q	BETA	ALPHA	CM	CA	CRLL	CVAY	CSIDE	CL	CD	L/D
43	.959	.611.99	-.30	-6.63	-2.670	.00891	-.0014	-.0012	-.0022	-.2443	-.03759	-6.53
44	.959	.611.54	-.30	-5.41	-1.711	.01161	-.0011	-.0009	-.0017	-.1693	-.02770	-6.11
45	.959	.611.63	.00	-4.16	-.0902	.01357	-.0012	-.0006	-.0015	-.0890	-.02012	-6.42
46	.959	.611.63	.00	-2.99	-.0166	.01597	-.0014	-.0007	-.0021	-.0158	-.01681	-6.44
47	.959	.611.79	.00	-1.83	.0485	.01794	-.0014	-.0007	-.0019	-.0490	-.01630	2.94
48	.959	.611.22	.00	-.45	.1134	.01926	-.0015	-.0007	-.0018	-.1134	-.01777	6.39
49	.959	.611.57	-.30	.51	.1833	.01844	-.0015	-.0007	-.0018	-.1832	-.02021	8.57
50	.959	.611.77	-.30	1.64	.2814	.01742	-.0013	-.0006	-.0016	-.2804	-.02004	9.40
51	.959	.611.98	-.00	2.86	.3617	.01742	-.0013	-.0006	-.0016	-.3604	-.02004	10.11
52	.959	.611.55	-.31	4.05	.4761	.01344	-.0013	-.0008	-.0001	-.4742	-.02004	9.32
53	.959	.611.16	-.31	6.44	.7091	.02428	-.0010	-.0013	-.0001	-.7077	-.02004	8.92
54	.959	.611.64	-.31	8.00	.8415	.02833	-.0010	-.0016	-.0001	-.8407	-.02004	5.15
55	.959	.611.64	-.31	9.40	.7624	.02467	-.0010	-.0016	-.0001	-.7604	-.02004	4.76
56	.959	.611.42	-.00	-5.41	-.1174	.01153	-.0012	-.0008	-.0021	-.1165	-.02004	-6.15

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DATE	TEST	TYPE	WAVE	3	BETA	ALPHA	CM	CA	MACN	MD	-600	COMPLG.	5	11/13/75		
0158	57	-0.01	332.25	-0.01	-0.04	-2276	-00402	-0173				CNOL	CYAN	CL	CO	1.0
0159	58	-0.03	332.25	-0.05	-0.30	-1374	-01213	-0211				-0013	-0012	-2231	-0367	1.0
0200	59	-0.03	332.16	-0.05	-0.16	-0819	-01304	-0221				-0013	-0006	-1556	-0262	1.05
0201	60	-0.03	332.16	-0.05	-0.16	-0819	-01304	-0221				-0013	-0006	-1556	-0262	1.05
0202	61	-0.03	332.06	-0.05	-1.95	-0469	-01505	-0171				-0014	-0007	-0168	-0169	1.09
0203	62	-0.03	332.07	-0.05	-1.95	-0469	-01777	-0134				-0014	-0007	-0474	-0169	1.09
0204	63	-0.03	332.07	-0.05	-0.74	-1035	-01893	-0129				-0016	-0007	-1037	-01756	1.01
0205	64	-0.03	332.07	-0.05	-0.74	-1035	-01893	-0129				-0016	-0007	-1037	-01756	1.01
0206	65	-0.03	332.07	-0.05	-1.53	-2240	-01604	-0068				-0012	-0006	-2234	-02288	1.11
0207	66	-0.03	332.07	-0.05	-1.53	-2240	-01604	-0068				-0012	-0006	-2234	-02288	1.11
0208	67	-0.03	332.07	-0.05	-2.96	-2817	-01444	-0028				-0017	-0011	-2907	-03170	1.13
0209	68	-0.03	332.06	-0.05	-2.74	-2848	-01294	-0069				-0017	-0021	-3452	-03504	1.13
0210	69	-0.03	332.06	-0.05	-0.11	-0495	-01316	-0059				-0010	-0011	-0345	-03504	1.13
0211	70	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0212	71	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0213	72	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0214	73	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0215	74	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0216	75	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0217	76	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0218	77	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0219	78	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0220	79	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0221	80	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0222	81	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0223	82	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0224	83	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13
0225	84	-0.03	332.06	-0.05	-0.31	-0877	-01074	-0174				-0010	-0015	-0345	-03504	1.13

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POINT	WTS	W	BERA	ALPHA	CM	CA	CM	CRQL	CYAN	CSLOS	CL	CD	11/13/75
24	1.213	666.14	.30	-66.71	-2206	-61.27	.6467	-.0014	-.0013	-.0022	-2748	-.04997	L/D
25	1.212	666.25	.30	-5.45	-1845	-62.65	.6450	-.0011	-.0008	-.0017	-1817	-.03887	-5.45
31	1.031	666.26	.30	-6.17	-1072	-62.58	.6350	-.0009	-.0005	-.0013	-.0053	-.02966	-7.77
32	1.031	666.46	.30	-2.45	-.0641	-62.60	.6162	-.0012	-.0007	-.0021	-.0047	-.02498	-2.46
33	1.031	666.17	.40	-1.73	.0719	-62.43	.6345	-.0012	-.0007	-.0019	-.0747	-.02795	.18
34	1.030	666.12	.30	-.52	-1501	-63.03	-.0075	-.0012	-.0007	-.0012	-1503	-.02935	2.74
35	1.031	666.64	.40	-.64	-2222	-63.02	-.0149	-.0011	-.0005	-.0010	-2218	-.03294	5.12
36	1.031	666.34	.40	1.99	-3660	-62.81	-.0246	-.0011	-.0005	-.0010	-2469	-.03074	6.73
37	1.031	666.46	.40	3.13	-3766	-62.84	-.0406	-.0012	-.0009	-.0000	-3746	-.04711	7.92
38	1.031	666.13	.30	6.36	-4352	-62.55	-.0503	-.0012	-.0008	-.0004	-.6519	-.04501	7.93
39	1.032	666.46	.40	6.92	-.6111	-63.22	-.0366	-.0016	-.0004	-.0010	-.6047	-.03790	8.71
41	1.029	666.37	.30	-5.66	-1031	-62.93	.6469	-.0010	-.0008	-.0015	-.1603	-.03761	-5.79

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TEST 729 RUN 7 MACH NO 900 CONFIG 2 01/16/76													
PNT	WING	Q	SE-A	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
104	5.99	446.43	-5.01	6.07	3864	00524	-0.355	0.149	-0.109	0.344	0.3834	0.4905	7.82
106	5.99	446.43	-5.07	6.05	3858	00541	-0.428	0.096	-0.072	0.220	0.3008	0.4882	7.80
108	5.99	446.43	-5.13	6.03	3851	00558	-0.501	0.044	-0.038	0.110	0.2581	0.4861	7.78
110	5.99	446.43	-5.19	6.01	3844	00575	-0.574	0.004	-0.023	0.058	0.2154	0.4840	7.76
112	5.99	446.43	-5.25	5.99	3836	00593	-0.647	0.004	-0.012	0.009	0.1727	0.4819	7.74
114	5.99	446.43	-5.31	5.97	3829	00610	-0.720	0.004	-0.003	0.000	0.1300	0.4798	7.72
116	5.99	446.43	-5.37	5.95	3821	00628	-0.793	0.004	-0.003	0.000	0.0873	0.4777	7.70
118	5.99	446.43	-5.43	5.93	3814	00645	-0.866	0.004	-0.003	0.000	0.0446	0.4756	7.68
120	5.99	446.43	-5.49	5.91	3806	00663	-0.939	0.004	-0.003	0.000	0.0019	0.4735	7.66
122	5.99	446.43	-5.55	5.89	3799	00680	-1.012	0.004	-0.003	0.000	0.0000	0.4714	7.64
124	5.99	446.43	-5.61	5.87	3791	00698	-1.085	0.004	-0.003	0.000	0.0000	0.4693	7.62
126	5.99	446.43	-5.67	5.85	3784	00715	-1.158	0.004	-0.003	0.000	0.0000	0.4672	7.60

TEST 729 RUN 8 MACH NO 400 CONFIG 2 01/16/76													
PNT	WING	Q	SE-A	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
114	5.99	327.40	-4.01	5.48	3225	00541	-0.168	0.131	-0.138	0.376	0.3204	0.3753	8.54
116	5.99	327.40	-4.07	5.46	3217	00558	-0.241	0.079	-0.085	0.240	0.3196	0.3732	8.52
118	5.99	327.40	-4.13	5.44	3210	00575	-0.314	0.032	-0.044	0.119	0.3197	0.3711	8.50
120	5.99	327.40	-4.19	5.42	3202	00593	-0.387	0.010	-0.027	0.067	0.3163	0.3689	8.48
122	5.99	327.40	-4.25	5.40	3195	00610	-0.460	0.004	-0.009	0.033	0.3116	0.3668	8.46
124	5.99	327.40	-4.31	5.38	3187	00628	-0.533	0.004	-0.007	0.007	0.3069	0.3647	8.44
126	5.99	327.40	-4.37	5.36	3180	00645	-0.606	0.004	-0.006	0.000	0.3020	0.3626	8.42
128	5.99	327.40	-4.43	5.34	3172	00663	-0.679	0.004	-0.006	0.000	0.2971	0.3605	8.40
130	5.99	327.40	-4.49	5.32	3165	00680	-0.752	0.004	-0.006	0.000	0.2922	0.3584	8.38
132	5.99	327.40	-4.55	5.30	3157	00698	-0.825	0.004	-0.006	0.000	0.2873	0.3563	8.36
134	5.99	327.40	-4.61	5.28	3150	00715	-0.898	0.004	-0.006	0.000	0.2824	0.3542	8.34
136	5.99	327.40	-4.67	5.26	3142	00733	-0.971	0.004	-0.006	0.000	0.2775	0.3521	8.32
138	5.99	327.40	-4.73	5.24	3135	00750	-1.044	0.004	-0.006	0.000	0.2726	0.3500	8.30
140	5.99	327.40	-4.79	5.22	3127	00768	-1.117	0.004	-0.006	0.000	0.2677	0.3479	8.28
142	5.99	327.40	-4.85	5.20	3120	00785	-1.190	0.004	-0.006	0.000	0.2628	0.3458	8.26

TEST 729 RUN 9 MACH NO 1.200 CONFIG 3 01/16/76													
PNT	WING	Q	SE-A	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
124	5.99	520.84	-4.01	5.48	5165	02459	-0.009	0.024	-0.146	0.460	0.165	0.2460	6.7
126	5.99	520.84	-4.07	5.46	5157	02476	-0.016	0.014	-0.099	0.306	0.142	0.2439	6.7
128	5.99	520.84	-4.13	5.44	5150	02493	-0.023	0.005	-0.049	0.152	0.124	0.2418	6.7
130	5.99	520.84	-4.19	5.42	5142	02510	-0.030	0.002	-0.025	0.081	0.118	0.2397	6.7
132	5.99	520.84	-4.25	5.40	5135	02527	-0.037	0.001	-0.009	0.009	0.119	0.2376	6.7
134	5.99	520.84	-4.31	5.38	5127	02544	-0.044	0.001	-0.001	0.000	0.119	0.2355	6.7
136	5.99	520.84	-4.37	5.36	5120	02561	-0.051	0.001	-0.001	0.000	0.119	0.2334	6.7
138	5.99	520.84	-4.43	5.34	5112	02578	-0.058	0.001	-0.001	0.000	0.119	0.2313	6.7
140	5.99	520.84	-4.49	5.32	5105	02595	-0.065	0.001	-0.001	0.000	0.119	0.2292	6.7
142	5.99	520.84	-4.55	5.30	5097	02612	-0.072	0.001	-0.001	0.000	0.119	0.2271	6.7
144	5.99	520.84	-4.61	5.28	5090	02629	-0.079	0.001	-0.001	0.000	0.119	0.2250	6.7
146	5.99	520.84	-4.67	5.26	5082	02646	-0.086	0.001	-0.001	0.000	0.119	0.2229	6.7
148	5.99	520.84	-4.73	5.24	5075	02663	-0.093	0.001	-0.001	0.000	0.119	0.2208	6.7
150	5.99	520.84	-4.79	5.22	5067	02680	-0.100	0.001	-0.001	0.000	0.119	0.2187	6.7
152	5.99	520.84	-4.85	5.20	5060	02697	-0.107	0.001	-0.001	0.000	0.119	0.2166	6.7



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TEST 729		RUN 10		MACH NO .920		CONFIG. 3		01/14/76				
WINE	Y	BETA	ALPHA	CN	CA	CM	CRDCL	CYAM	CSIDE	CL	CD	L/D
133	641.38	-5.06	.04	.0199	.01697	-.0021	-.0022	-.0157	-.0457	.0198	-.0199	1.17
134	641.44	-4.03	.03	.0145	.01715	-.0037	.0009	-.0108	.0308	.0145	-.01716	.84
140	641.39	-2.02	.02	.0121	.0172	-.0055	.0000	-.0355	.0157	.0121	-.0172	.70
141	641.45	-1.02	.02	.0118	.01728	-.0061	-.0004	-.0029	.0082	.0118	-.01728	.68
142	641.41	-.01	.01	.0109	.01733	-.0068	-.0004	-.0003	.0013	.0109	-.01733	.63
143	641.42	-.09	.01	.0106	.01734	-.0068	-.0009	.0024	-.0061	.0106	-.01734	.61
144	641.40	1.09	.01	.0094	.01733	-.0064	-.0011	.0051	-.0137	.0094	-.01733	.54
145	641.48	3.00	.01	.0093	.01727	-.0062	-.0015	.0070	-.0211	.0093	-.01727	.54
146	641.56	4.00	.01	.0083	.01724	-.0056	-.0017	.0103	-.0282	.0083	-.01724	.46
147	641.48	5.00	.01	.0054	.01718	-.0032	-.0024	.0153	-.0439	.0054	-.01718	.37
148	641.40	-.02	.02	.0172	.01733	-.0067	.0007	-.0003	.0014	.0172	-.01734	.70

TEST 729		RUN 11		MACH NO .900		CONFIG. 3		01/14/76				
WINE	Y	BETA	ALPHA	CN	CA	CM	CRCL	CYAM	CSIDE	CL	CD	L/D
139	645.71	-6.74	.05	.0184	.01646	-.0032	-.0021	-.0157	-.0447	.0184	-.01648	1.12
140	645.78	-4.03	.04	.0149	.01669	-.0032	.0009	-.0109	.0303	.0149	-.01670	.89
141	645.71	-2.01	.03	.0130	.01684	-.0049	.0031	-.0056	.0156	.0130	-.01685	.77
142	645.83	-1.02	.02	.0113	.01689	-.0062	-.0004	-.0029	.0083	.0113	-.01688	.67
143	645.70	-.01	.02	.0108	.01685	-.0059	-.0037	-.0002	.0012	.0108	-.01688	.64
144	645.49	-.08	.01	.0099	.01490	-.0065	-.0010	.0025	-.0042	.0099	-.01690	.58
145	645.72	2.00	.01	.0093	.01487	-.0060	-.0012	.0052	-.0134	.0093	-.01692	.55
146	645.64	3.00	.01	.0084	.01497	-.0053	-.0014	.0077	-.0204	.0085	-.01690	.50
147	645.89	4.00	.01	.0066	.01474	-.0047	-.0017	.0105	-.0282	.0066	-.01675	.39
148	645.89	6.01	.01	.0046	.01461	-.0025	-.0023	.0156	-.0432	.0046	-.01661	.28
149	645.45	-.01	.01	.0103	.01679	-.0061	-.0007	-.0002	.0011	.0103	-.01679	.62

TEST 729		RUN 12		MACH NO .600		CONFIG. 3		01/14/76				
WINE	Y	BETA	ALPHA	CN	CA	CM	CRCL	CYAM	CSIDE	CL	CD	L/D
139	327.44	-4.74	.04	.0157	.01634	.0000	.0018	-.0144	-.0432	.0157	-.01635	.96
140	328.54	-4.02	.03	.0111	.01662	-.0021	.0006	-.0103	.0287	.0111	-.01662	.67
141	329.71	-2.72	.01	.0082	.01692	-.0036	.0031	-.0054	.0152	.0082	-.01692	.48
142	329.66	-1.01	.00	.0066	.01691	-.0048	.0006	-.0028	.0083	.0066	-.01691	.39
143	329.70	-.01	.01	.0044	.01687	-.0052	.0038	-.0038	.0012	.0044	-.01687	.50
144	329.88	.09	.01	.0041	.01693	-.0055	.0009	.0024	-.0057	.0041	-.01693	.48
145	329.04	2.00	.00	.0073	.01692	-.0055	.0013	.0050	-.0123	.0073	-.01692	.42
146	329.04	2.00	.00	.0057	.01684	-.0043	.0014	.0074	-.0191	.0057	-.01684	.34
147	329.20	4.01	.00	.0044	.01682	-.0037	.0016	.0098	-.0261	.0044	-.01682	.26
148	329.71	6.00	.01	.0058	.01646	-.0015	-.0022	.0146	-.0401	.0058	-.01657	.41
149	329.47	-.01	.01	.0046	.01631	-.0049	-.0009	-.0001	.0012	.0046	-.01691	.51

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TEST 729		RUN 13		MACH NO. 1.200		CONF 10.		A.		01/16/76		
WING	Q	BETA	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
173	420.64	-6.04	0.26	-5934	-01711	-0966	-0128	-0055	-0223	-3731	-11373	5.18
174	420.64	-2.72	0.23	-5741	-01705	-0971	-0127	-0029	-0106	-3659	-10921	5.18
175	420.63	-1.02	0.22	-4737	-01693	-0974	-0029	-0017	-0052	-5636	-10864	5.19
176	420.62	0.01	0.22	-4741	-01694	-0983	-0305	-0355	-0003	-5650	-10888	5.19
177	420.74	1.01	0.21	-4723	-01593	-0980	-0738	-0007	-0055	-5623	-10833	5.19
178	420.74	2.01	0.21	-4718	-01706	-0978	-0072	-0019	-0111	-5617	-10834	5.18
179	420.38	3.03	0.21	-4726	-01713	-0972	-0104	-0031	-0170	-5625	-10860	5.18
180	420.38	4.04	0.22	-4731	-01715	-0968	-0134	-0044	-0231	-5630	-10875	5.18
181	420.62	-0.00	0.22	-4753	-01679	-0983	-0005	-0005	-0001	-5655	-10875	5.20

TEST 729		RUN 14		MACH NO. 950		CONF IG.		01/16/76			
WING	Q	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
187	441.83	-6.04	-6372	-01019	-0715	-0163	-0023	-0178	-6272	-11307	5.55
188	441.83	-6.74	-6363	-01224	-0725	-0129	-0022	-0149	-6243	-11287	5.55
189	441.83	-2.02	-6350	-01059	-0778	-0054	-0024	-0093	-6250	-11291	5.54
190	441.68	-1.01	-6298	-01371	-0831	-0035	-0019	-0056	-6199	-11185	5.54
191	441.74	-0.01	-6286	-01080	-0907	-0052	-0011	-0013	-6187	-11168	5.54
192	441.68	1.03	-6298	-01377	-0820	-0028	-0301	-0032	-6189	-11165	5.54
193	441.61	2.03	-6270	-01075	-0912	-0059	-0005	-0073	-6171	-11132	5.54
194	441.61	3.03	-6237	-01359	-0781	-0088	-0007	-0109	-6139	-11059	5.55
195	441.38	4.02	-6250	-01054	-0779	-0121	-0009	-0147	-6151	-11079	5.55
196	441.38	5.04	-6254	-01326	-0746	-0153	-0013	-0181	-6156	-11073	5.54
197	441.38	-0.01	-6298	-01076	-0907	-0002	-0010	-0015	-6198	-11185	5.54

TEST 729		RUN 15		MACH NO. 900		CONF IG.		01/16/76				
WING	Q	BETA	ALPHA	CN	CA	CM	CRCL	CYAW	CSIDE	CL	CD	L/D
193	445.74	-6.03	9.21	-6040	-00839	-0455	-0153	-0041	-0193	-5949	-10499	5.67
194	445.74	-2.01	9.21	-6071	-00844	-0489	-0122	-0029	-0146	-5979	-10555	5.67
195	445.65	-1.02	9.18	-6026	-00832	-0509	-0043	-0014	-0068	-5935	-10433	5.69
196	445.61	-1.02	9.19	-6043	-00738	-0594	-0034	-0011	-0039	-5952	-10462	5.69
197	445.63	1.02	9.17	-6019	-00840	-0602	-0006	-0013	-0019	-5929	-10416	5.69
198	445.63	1.00	9.15	-6045	-00841	-0603	-0029	-0009	-0016	-5935	-10351	5.70
199	445.05	2.02	9.14	-6049	-00844	-0598	-0042	-0002	-0054	-5979	-10338	5.69
200	445.74	3.03	9.14	-5929	-00961	-0593	-0091	-0005	-0094	-5840	-10278	5.68
201	445.44	4.04	9.15	-5915	-00862	-0530	-0117	-0014	-0141	-5826	-10261	5.68
202	445.51	5.24	9.16	-5886	-00864	-0492	-0153	-0026	-0199	-5787	-10218	5.67
203	445.74	-0.01	9.16	-6032	-00839	-0603	-0003	-0012	-0015	-5912	-10381	5.69

# APPENDIX

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TEST 729		PUN 16		MACH NO .800		CONF IG. A		01/14/76			
PRINT	Q	BETA	ALPHA	CM	CA	CROLL	CYAN	CSIDE	CL	CD	L/D
707	329.63	-6.02	4.62	-5086	-00421	-0143	-0095	-0243	-5022	-08038	6.25
706	329.62	-6.01	4.61	-5106	-00453	-0202	-0130	-0066	-5042	-08091	6.23
704	329.60	-2.00	8.61	-5116	-00519	-0227	-0066	-0037	-5051	-08168	6.18
702	329.70	-1.01	8.60	-5070	-00444	-0242	-0035	-0024	-5061	-08210	6.16
723	329.87	-1.01	8.60	-5047	-00567	-0255	-0002	-0010	-5071	-08194	6.15
709	329.71	1.00	8.59	-5147	-00647	-0262	-0035	-0001	-5021	-08159	6.15
710	329.79	2.03	8.58	-5052	-00574	-0267	-0066	-0014	-4987	-08108	6.15
711	329.74	3.03	8.58	-5051	-00589	-0276	-0133	-0279	-4986	-08122	6.14
712	329.54	3.99	8.59	-5070	-00546	-0248	-0133	-0044	-5004	-08164	6.13
713	329.34	6.01	8.59	-5004	-00601	-0194	-0183	-0236	-4939	-08066	6.12
714	328.54	-0.02	8.60	-5129	-00573	-0246	-0003	-0010	-4959	-08223	6.12

TEST 729		PUN 17		MACH NO 1.200		CONF IG. S		01/14/76				
WING	Q	BETA	ALPHA	CM	CA	C <sub>m</sub>	CROLL	CYAN	CSIDE	CL	CD	L/D
1.198	520.65	-7.00	4.84	-3007	-01859	-0661	-0033	-0001	-0012	-2980	-04389	6.79
1.199	520.73	-7.00	3.62	-3203	-01939	-0496	-0007	-0000	-0006	-2186	-03325	6.57
1.200	520.81	-7.00	2.40	-3442	-02098	-0303	-0028	-0003	-0034	-1432	-02700	5.30
1.200	520.88	-7.00	-0.20	-3724	-02257	-0156	-0004	-0003	-0009	-0719	-02406	2.99
1.200	521.04	-7.00	0.01	-4044	-02329	-0028	-0025	-0008	-0013	-0044	-02328	2.19
1.200	521.11	-7.00	1.20	-4044	-02477	-0099	-0004	-0005	-0014	-0644	-02402	2.68
1.203	520.91	-7.00	2.41	-3357	-02094	-0239	-0004	-0005	-0014	-1347	-02664	5.06
1.203	520.77	-7.00	3.62	-3103	-01849	-0405	-0005	-0005	-0012	-2287	-03195	6.53
1.198	520.91	-7.00	4.45	-2934	-01802	-0375	-0005	-0002	-0007	-2908	-04289	6.78
1.198	520.74	-7.00	6.11	-3722	-02002	-0533	-0020	-0000	-0007	-3681	-05757	6.40
1.198	520.77	-7.00	7.38	-4528	-01570	-0659	-0000	-0004	-0001	-4468	-07492	5.98
1.200	520.87	-7.00	8.65	-5430	-01516	-0829	-0001	-0000	-0009	-5216	-09618	5.53
1.198	520.91	-7.00	9.50	-6054	-01365	-0960	-0000	-0002	-0007	-5948	-11432	5.20
1.201	521.09	-7.00	0.21	-40026	-02312	-0021	-0024	-0004	-0013	-0066	-02312	2.03

TEST 729		PUN 18		MACH NO .950		CONF IG. S		01/14/76			
WIRE	Q	BETA	ALPHA	CM	CA	CROLL	CYAN	CSIDE	CL	CD	L/D
733	461.6A	-7.00	4.86	-3146	-01014	-0480	-0006	-0022	-3166	-03716	8.52
734	462.2A	-7.00	3.40	-2247	-01075	-0357	-0009	-0022	-2276	-02508	9.07
735	462.1A	-7.00	2.41	-1511	-01259	-0221	-0010	-0004	-1504	-01894	7.94
736	461.9A	-7.00	1.23	-0785	-01479	-0125	-0004	-0000	-0781	-01642	4.76
737	461.6A	-7.00	1.23	-0125	-01577	-0066	-0005	-0002	-0125	-01577	2.79
738	461.6A	-7.00	1.19	-0534	-01511	-0304	-0035	-0001	-0349	-01645	3.34
739	461.7A	-7.00	2.14	-1214	-01349	-0762	-0005	-0003	-1208	-01851	6.52
740	461.8A	-7.00	3.57	-1974	-01392	-0174	-0076	-0002	-1964	-02318	8.47
741	461.8A	-7.00	4.85	-2840	-03911	-0348	-0001	-0002	-2842	-03311	8.58
742	461.8A	-7.00	6.08	-3457	-01347	-0475	-0031	-0006	-3824	-05127	7.46
743	461.7A	-7.00	7.37	-4778	-01076	-0515	-0002	-0000	-4724	-07194	6.57
744	461.1A	-7.00	8.42	-5620	-00978	-0528	-0036	-0017	-5624	-09389	5.90
745	461.3A	-7.00	9.87	-6229	-00894	-0359	-0011	-0019	-6122	-11553	5.30
746	462.9A	-7.00	11.10	-6810	-00780	-0237	-0007	-0014	-6468	-13886	4.80
747	461.2A	-7.00	11.43	-6813	-00891	-0041	-0004	-0003	-7113	-15893	4.40

## APPENDIX

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DATE	TIME	D	RFA	ALPHA	CN	CA	CM	CRILL	CYAN	CSINE	CL	CD	L/D
41	0.99	127.41	-0.00	4.52	-2371	-0.0867	.0234	-.0012	-.0007	.0024	-.2554	-.0280	-8.85
42	0.99	128.55	-.33	3.30	-1370	-0.1030	.0163	-.0012	-.0005	.0021	-.1861	-.0213	-8.72
43	0.93	128.06	-.00	2.75	-0128	-0.1284	.0087	-.0010	-.0004	.0014	-.1222	-.0164	-6.92
44	0.98	128.12	-.00	1.13	-.0841	-0.1876	.0073	-.0035	-.0002	.0002	-.0658	-.0176	-4.10
45	0.98	128.22	-.02	0.72	-.0114	-0.1565	.0031	-.0067	-.0000	.0004	-.0116	-.0166	-.73
46	0.98	128.37	-.03	1.11	0.0462	-0.1534	-.0207	-.0076	-.0002	.0006	-.0459	.0162	2.63
47	0.99	128.56	-.03	2.25	-.1042	-0.1335	-.0026	-.0004	-.0001	.0003	-.1056	-.0171	5.96
48	0.99	128.37	-.03	3.37	-.1538	-0.1077	-.0058	-.0039	-.0001	.0003	-.1629	.0203	8.20
49	0.99	128.54	-.10	4.48	-2261	-0.0783	-.0129	-.0039	-.0001	.0000	-.2258	.0254	8.52
50	0.99	127.37	-.00	5.63	-3031	-0.0597	-.0250	-.0037	-.0002	.0001	-.3011	.0356	8.44
71	0.99	127.37	-.01	6.82	-3009	-0.0717	-.0219	-.0034	-.0002	.0003	-.3074	.0526	7.37
72	0.98	127.87	-.01	8.01	-.0487	-.0062	-.0218	-.0005	-.0016	.0003	-.4632	.0719	6.45
73	0.99	127.03	-.01	8.23	-.0482	-.0062	-.0163	-.0034	-.0019	.0003	-.4501	.0930	5.77
74	0.98	127.84	-.01	11.54	-7094	-0.0294	-.0036	-.0036	-.0023	.0032	-.6856	.1430	4.79
75	0.99	128.04	-.01	13.71	-8099	-0.0315	-.0354	-.0034	-.0027	.0046	-.7851	.1946	4.03
76	0.98	128.29	-.00	16.26	-.6342	-.00984	-.0028	-.0010	-.0005	.0003	-.8971	.2605	3.44
77	0.99	127.05	-.01	18.01	-.0113	-0.1563	-.0032	-.0037	-.0003	.0002	-.0113	.0150	-.72

REF	REF	ALPHA	CM	CA	CM	CROLL	CYAM	CSIDE	CL	CD	L/D
01	520.79	-5.01	-3778	-31739	-0573	-0133	-0108	-2536	-3738	-05700	6.47
02	521.07	-4.91	-3770	-31762	-0586	-0105	-0148	-0421	-3729	-05789	6.44
03	520.69	-7.00	-3716	-31802	-0611	-0391	-0379	-0221	-3693	-05776	6.38
04	520.73	-1.00	-3721	-31813	-0639	-0027	-0045	-0121	-3680	-05766	6.39
05	520.79	-5.21	-3705	-31823	-0663	-0030	-0312	-0322	-3665	-05750	6.37
06	520.91	1.92	-3712	-31815	-0649	-0027	-0020	-0077	-3672	-05753	6.38
07	520.80	2.93	-3708	-31803	-0666	-0334	-0353	-0174	-3668	-05737	6.39
08	520.94	3.06	-3715	-31792	-0651	-0030	-0095	-0273	-3675	-05736	6.41
09	520.94	4.25	-3720	-31762	-0651	-0113	-0129	-0379	-3683	-05710	6.44
10	520.74	4.51	-3736	-31728	-0642	-0132	-0132	-0420	-3697	-05686	6.49
11	520.91	-3.2	-3714	-31829	-0638	-0001	-0014	-0024	-3674	-05753	6.39

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TEST 729														CONF IG. A														01/14/78													
RUN 22														MACH NO .900																											
POINT	WING	Y	BETA	ALPHA	CM	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/D																												
101	445.51	445.51	-5.74	6.14	-4037	-00924	-0423	-0153	-0205	-0583	-3974	-05207	7.63																												
102	445.51	445.51	-4.01	6.14	-4011	-00981	-0450	-0105	-0149	-0399	-3978	-05263	7.56																												
103	445.51	445.51	-1.99	6.12	-4032	-01019	-0504	-0308	-0366	-0194	-3968	-05276	7.52																												
104	445.51	445.51	-1.00	6.10	-3973	-01036	-0517	-0029	-0036	-0100	-3939	-05252	7.50																												
105	445.51	445.51	-0.91	6.12	-3996	-01046	-0536	-0020	-0038	-0017	-3960	-05287	7.49																												
106	445.51	445.51	1.02	6.09	-3952	-01049	-0560	-0028	-0018	-0070	-3919	-05227	7.50																												
107	445.51	445.51	2.04	6.09	-3945	-01049	-0563	-0028	-0018	-0160	-3912	-05216	7.53																												
108	445.51	445.51	3.03	6.08	-3923	-00945	-0536	-0027	-0077	-0252	-3916	-05202	7.53																												
109	445.51	445.51	4.05	6.08	-3923	-00945	-0536	-0027	-0077	-0310	-3891	-05118	7.60																												
110	445.51	445.51	5.07	6.07	-3910	-00935	-0541	-0028	-0113	-0356	-3879	-05019	7.73																												
111	445.51	445.51	6.08	6.10	-3912	-01054	-0532	-0021	-0010	-0219	-3939	-05258	7.59																												
112	445.51	445.51	7.11	6.10	-3912	-01054	-0532	-0021	-0010	-0219	-3939	-05258	7.59																												
TEST 729														CONF IG. A														01/14/78													
RUN 23														MACH NO .900																											
POINT	WING	Y	BETA	ALPHA	CM	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/D																												
101	445.51	445.51	-6.22	6.07	-3803	-00771	-0308	-0153	-0216	-0592	-3773	-04790	7.88																												
102	445.51	445.51	-4.01	6.06	-3812	-00850	-0361	-0101	-0137	-0378	-3781	-04869	7.77																												
103	445.51	445.51	-2.00	6.26	-3793	-00893	-0408	-0049	-0065	-0180	-3763	-04867	7.73																												
104	445.51	445.51	-0.91	6.26	-3793	-00893	-0408	-0049	-0065	-0093	-3767	-04882	7.72																												
105	445.51	445.51	1.02	6.23	-3773	-00931	-0428	-0023	-0021	-0008	-3742	-04861	7.70																												
106	445.51	445.51	2.03	6.22	-3759	-00986	-0436	-0020	-0020	-0075	-3708	-04809	7.71																												
107	445.51	445.51	3.03	6.21	-3781	-00985	-0446	-0025	-0048	-0156	-3751	-04860	7.72																												
108	445.51	445.51	4.05	6.02	-3763	-00969	-0448	-0041	-0078	-0246	-3733	-04810	7.76																												
109	445.51	445.51	5.07	6.02	-3776	-00983	-0429	-0126	-0112	-0340	-3697	-04733	7.81																												
110	445.51	445.51	6.08	6.03	-3773	-00979	-0390	-0158	-0187	-0551	-3704	-04664	7.94																												
111	445.51	445.51	7.11	6.02	-3750	-00997	-0345	-0024	-0007	-0010	-3720	-04828	7.71																												
112	445.51	445.51	8.12	6.02	-3750	-00997	-0345	-0024	-0007	-0010	-3720	-04828	7.71																												
TEST 729														CONF IG. A														01/14/78													
RUN 24														MACH NO .800																											
POINT	WING	Y	BETA	ALPHA	CM	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/D																												
113	445.51	445.51	-6.00	5.70	-3255	-00542	-0172	-0135	-0195	-0524	-3244	-03781	8.58																												
114	445.51	445.51	-4.00	5.69	-3279	-00617	-0222	-0095	-0118	-0332	-3257	-03865	8.43																												
115	445.51	445.51	-2.00	5.70	-3223	-00647	-0243	-0032	-0053	-0151	-3201	-03941	8.33																												
116	445.51	445.51	-0.99	5.67	-3218	-00664	-0262	-0012	-0025	-0073	-3196	-03939	8.32																												
117	445.51	445.51	1.01	5.64	-3199	-00602	-0289	-0009	-0003	-0003	-3177	-03939	8.32																												
118	445.51	445.51	2.02	5.64	-3127	-00572	-0294	-0034	-0020	-0067	-3107	-03944	8.46																												
119	445.51	445.51	3.03	5.64	-3127	-00572	-0294	-0034	-0020	-0067	-3107	-03944	8.46																												
120	445.51	445.51	4.03	5.64	-3131	-00545	-0292	-0071	-0079	-0231	-3126	-03944	8.57																												
121	445.51	445.51	5.06	5.64	-3118	-00547	-0274	-0093	-0099	-0231	-3111	-03924	8.58																												
122	445.51	445.51	6.06	5.65	-3144	-00588	-0263	-0144	-0097	-0497	-3097	-03910	8.58																												
123	445.51	445.51	7.11	5.66	-3172	-00612	-0277	-0211	-0003	-0007	-3150	-03983	8.44																												

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TEST 726		RUN 25		MACH NO 1.200		CONF IG. 7		01/14/76				
TIME	Q	REYA	ALPHA	CM	CA	CM	C9013	CYAW	C SIDE	CL	CD	L/D
174	520.83	-6.07	.04	.0035	.02280	.0072	.0013	.0203	.0599	.0035	.02280	.15
175	520.74	-6.05	.33	.0039	.02317	.0053	.0022	-.0134	.0397	.0038	.02318	.16
176	520.64	-7.04	.03	.0053	.02351	.0328	.0010	-.0049	.0202	.0053	.02351	.23
177	520.54	-7.02	.37	.0040	.02359	.0321	.3035	.0339	.0112	.0040	.02359	.17
178	520.44	-.01	.03	.0058	.02358	.0015	.0000	-.0010	.0025	.0058	.02359	.25
179	520.74	-1.01	.32	.0051	.02357	.0313	.3005	.0019	.0362	.0051	.02357	.22
180	520.84	2.00	.02	.0047	.02352	.0013	.0009	.0049	-.0154	.0047	.02352	.20
181	520.84	3.00	.03	.0054	.02348	.0309	.0016	.0379	.0247	.0044	.02349	.27
182	520.47	4.01	.04	.0037	.02313	.0012	.0023	.0112	-.0344	.0086	.02319	.37
183	520.50	5.03	.04	.0044	.02269	.0026	.0037	.0179	-.0551	.0094	.02268	.41
184	520.44	-.02	.02	.0046	.02354	.0018	.0000	-.0011	.0028	.0044	.02354	.20

TEST 729		RUN 26		MACH NO .950		CONF IG. 7		01/14/76			
TIME	Q	REYA	ALPHA	CM	CA	CM	CA	CSIDE	CL	CD	L/D
187	0.950	461.37	-6.04	-0.019	-0.1677	-0.093	-0.018	-0.024	-0.019	-0.1677	-0.13
188	0.949	461.46	-6.05	-0.028	-0.1526	-0.053	-0.004	-0.014	-0.028	-0.1526	-0.18
189	0.950	461.26	-2.32	-0.004	-0.1595	-0.039	-0.001	-0.061	-0.004	-0.1595	-0.03
190	0.949	461.28	-1.32	-0.035	-0.1594	-0.034	-0.034	-0.033	-0.004	-0.1594	-0.03
191	0.950	461.49	-6.02	-0.011	-0.1599	-0.030	-0.006	-0.005	-0.011	-0.1599	-0.07
192	0.949	461.37	-6.00	-0.009	-0.1607	-0.028	-0.007	-0.004	-0.009	-0.1607	-0.06
193	0.950	461.26	-6.01	-0.008	-0.1594	-0.026	-0.010	-0.009	-0.008	-0.1594	-0.05
194	0.950	461.16	-6.01	-0.009	-0.1574	-0.025	-0.011	-0.009	-0.009	-0.1574	-0.04
195	0.950	461.06	-6.02	-0.001	-0.1540	-0.031	-0.015	-0.005	-0.001	-0.1540	-0.01
196	0.950	461.49	-6.02	-0.015	-0.1474	-0.045	-0.023	-0.018	-0.015	-0.1474	-0.13
197	0.951	461.01	-6.01	-0.027	-0.1401	-0.033	-0.007	-0.007	-0.027	-0.1401	-0.17

TEST 729		RUN 27		MACH NO .900		CONF IG. 7		01/14/76					
TIME	Q	REYA	ALPHA	CM	CA	CM	CA	CROLL	CVAN	CSIDE	CL	CD	L/D
198	446.10	-6.05	-0.02	-0.011	-0.1437	-0.068	-0.018	-0.018	-0.023	-0.076	-0.011	-0.1437	-0.08
199	446.25	-6.03	-0.01	-0.000	-0.1490	-0.048	-0.004	-0.007	-0.016	-0.069	-0.000	-0.1490	-0.00
200	446.36	-7.03	-0.01	-0.010	-0.1547	-0.030	-0.001	-0.001	-0.001	-0.182	-0.010	-0.1547	-0.06
201	446.46	-6.03	-0.01	-0.002	-0.1559	-0.027	-0.005	-0.005	-0.033	-0.098	-0.002	-0.1559	-0.02
202	446.56	-6.02	-0.01	-0.003	-0.1565	-0.022	-0.005	-0.005	-0.007	-0.022	-0.003	-0.1565	-0.02
203	446.66	-6.02	-0.01	-0.026	-0.1561	-0.014	-0.008	-0.008	-0.020	-0.041	-0.006	-0.1561	-0.04
204	446.76	-6.00	-0.00	-0.011	-0.1544	-0.012	-0.009	-0.009	-0.046	-0.138	-0.011	-0.1544	-0.07
205	446.86	-6.00	-0.01	-0.027	-0.1528	-0.013	-0.012	-0.012	-0.075	-0.228	-0.022	-0.1528	-0.14
206	446.96	-6.03	-0.01	-0.010	-0.1494	-0.017	-0.014	-0.014	-0.104	-0.312	-0.010	-0.1494	-0.06
207	447.06	-6.01	-0.02	-0.029	-0.1423	-0.029	-0.022	-0.022	-0.174	-0.554	-0.029	-0.1423	-0.20
208	447.16	-6.01	-0.00	-0.006	-0.1351	-0.018	-0.005	-0.005	-0.008	-0.028	-0.004	-0.1351	-0.04

# APPENDIX

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 729		PUM 28		MACH NO. 500		CONF IG. 7		01/14/76			
TIME	Q	ALPHA	CN	CA	CM	CRULL	CYAN	CSIDE	CL	CD	L/D
1.00	120.21	0.02	0.056	0.144	0.039	0.016	0.012	0.042	0.004	0.149	38
1.01	120.71	0.01	0.041	0.1507	0.023	0.0035	0.015	0.046	0.0041	0.1508	27
1.02	120.79	0.01	0.031	0.1566	0.005	0.003	0.015	0.046	0.0041	0.1508	20
1.03	120.87	0.01	0.003	0.1567	0.003	0.003	0.015	0.046	0.0041	0.1508	10
1.04	120.21	0.01	0.003	0.1576	0.004	0.007	0.015	0.046	0.0041	0.1578	02
1.05	120.79	0.01	0.003	0.1576	0.004	0.007	0.015	0.046	0.0041	0.1578	00
1.06	120.71	0.01	0.003	0.1575	0.011	0.009	0.042	0.128	0.031	0.1515	20
1.07	120.71	0.01	0.003	0.1575	0.010	0.011	0.070	0.029	0.018	0.1532	12
1.08	120.71	0.01	0.003	0.1572	0.004	0.006	0.096	0.021	0.026	0.1524	17
1.09	120.71	0.01	0.003	0.1567	0.004	0.012	0.168	0.049	0.068	0.1547	47
1.10	120.87	0.01	0.003	0.1565	0.005	0.008	0.008	0.023	0.004	0.1504	04

TEST 799		PUM 29		MACH NO L.200		CONF IG. 8		01/14/76		
TIME	Q	ALPHA	CN	CA	C <sub>Y</sub>	CRULL	CYAN	CSIDE	CL	CD
1.00	120.64	0.25	0.707	0.1466	0.0847	0.0134	0.0168	0.044	0.610	1.0622
1.01	120.69	0.24	0.679	0.1455	0.0859	0.071	0.0103	0.255	0.582	1.0552
1.02	120.71	0.23	0.669	0.1451	0.0876	0.0034	0.0058	0.137	0.572	1.0523
1.03	120.72	0.24	0.678	0.1432	0.0894	0.002	0.0015	0.031	0.582	1.0516
1.04	120.73	0.23	0.689	0.1432	0.0899	0.0037	0.0015	0.071	0.602	1.0540
1.05	120.67	0.21	0.674	0.1454	0.0884	0.007	0.0056	0.181	0.579	1.0539
1.06	120.64	0.22	0.704	0.1455	0.0900	0.0107	0.0093	0.294	0.566	1.0593
1.07	120.67	0.24	0.678	0.1460	0.0873	0.0143	0.0178	0.396	0.544	1.0635
1.08	120.72	0.25	0.671	0.1430	0.0894	0.0001	0.0022	0.024	0.575	1.0500
1.09	120.72	0.21	0.671	0.1430	0.0894	0.0001	0.0022	0.024	0.575	1.0500

TEST 799		PUM 30		MACH NO. 950		CONF IG. 8		01/14/76		
TIME	Q	ALPHA	CN	CA	CM	CRULL	CYAN	CSIDE	CL	CD
1.00	661.24	0.71	0.24	0.00801	-0.041	0.0156	-0.0212	-0.0593	-0.004	-104.04
1.01	661.29	0.70	0.25	0.00832	-0.0501	0.0107	-0.0158	-0.0430	-0.012	-104.71
1.02	661.29	0.70	0.24	0.00809	-0.0506	0.0056	-0.0090	-0.0235	-0.004	-103.12
1.03	661.29	0.71	0.24	0.00707	-0.0534	0.0034	-0.0096	-0.0138	-0.020	-103.51
1.04	661.24	0.72	0.24	0.0041	-0.0576	0.0009	-0.0020	-0.0034	-0.004	-104.14
1.05	661.24	0.74	0.24	0.00294	-0.0581	0.0015	-0.0014	-0.0059	-0.002	-103.19
1.06	661.51	0.70	0.23	0.00011	-0.0583	0.0043	0.0050	-0.0166	-0.012	-103.55
1.07	661.59	0.73	0.23	0.00385	-0.0559	0.0066	0.0082	-0.0263	-0.017	-103.16
1.08	661.59	0.70	0.24	0.00457	-0.0559	0.0091	0.0114	-0.0361	-0.006	-103.44
1.09	661.54	0.76	0.25	0.0027	-0.0500	0.0161	0.0188	-0.0582	-0.002	-104.97
1.10	660.69	0.71	0.24	0.00026	-0.0567	0.0010	-0.0022	-0.0041	-0.002	-104.18

## APPENDIX

[illegible][illegible]

WAVE	A	RETA	ALPHA	C4	CA	C4	C3011	CYAM	CSIDE	CL	CD	L/O
1.100	520.75	-5.37	9.25	-5416	-0.182	-0.650	-0.032	-0.053	-0.052	-5.425	-10030	5.41
1.100	520.83	-4.05	9.23	-5471	-0.187	-0.659	-0.108	-0.042	-0.056	-5.382	-99928	5.42
1.200	522.96	-2.31	9.22	-5457	-0.1136	-0.658	-0.055	-0.022	-0.009	-5.363	-99861	5.44
1.200	520.87	-0.99	9.22	-5451	-0.1129	-0.665	-0.030	-0.011	-0.002	-5.362	-99849	5.44
1.200	521.95	-0.72	9.21	-5425	-0.1125	-0.665	-0.022	-0.020	-0.009	-5.340	-99803	5.45
1.200	520.94	-3.04	9.21	-5432	-0.1124	-0.672	-0.028	-0.010	-0.020	-5.344	-99807	5.45
1.200	520.96	-3.04	9.21	-5476	-0.1141	-0.674	-0.056	-0.021	-0.031	-5.338	-99811	5.44
1.200	521.07	-3.04	9.22	-5449	-0.1166	-0.679	-0.081	-0.032	-0.043	-5.360	-99866	5.43
1.200	520.98	-4.37	9.23	-5487	-0.1166	-0.674	-0.135	-0.042	-0.058	-5.397	-99953	5.42
1.200	520.98	-5.00	9.25	-5520	-0.1176	-0.676	-0.150	-0.050	-0.079	-5.368	-10044	5.41
1.100	520.73	-0.00	9.21	-5436	-0.1111	-0.668	-0.032	-0.033	-0.011	-5.348	-99801	5.46



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TIME	TEST	729	PUM	34	MACH	NO	950	CONF	IG	9	01/16/76
000	4-1.52	0.07	9.26	0.075	00518	CM	-0.033	CSIDE	0.059	0.046	5.76
001	4-1.42	-0.02	9.24	0.117	00625	CA	-0.023	CSIDE	0.042	-0.067	5.76
002	4-1.48	-2.00	9.24	0.164	00429	CM	-0.040	CSIDE	0.024	-0.001	5.77
003	4-1.44	-1.71	9.25	0.201	00641	CA	-0.019	CSIDE	0.014	-0.007	5.77
004	4-1.44	-0.1	9.24	0.198	00645	CM	-0.016	CSIDE	0.001	-0.013	5.77
005	4-1.44	1.02	9.24	0.199	00653	CA	-0.040	CSIDE	0.010	-0.017	5.76
006	4-1.48	2.53	9.24	0.179	00547	CM	-0.025	CSIDE	0.022	-0.024	5.77
007	4-1.48	3.05	9.25	0.209	00547	CA	-0.025	CSIDE	0.032	-0.037	5.76
008	4-1.49	6.76	9.25	0.233	00549	CM	-0.003	CSIDE	0.042	-0.049	5.76
009	4-1.49	6.09	9.26	0.155	00644	CA	-0.009	CSIDE	0.018	-0.012	5.76
010	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
011	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
012	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
013	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
014	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
015	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
016	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
017	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
018	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
019	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
020	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
021	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
022	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
023	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
024	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
025	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
026	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
027	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
028	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
029	4-1.49	-31	9.24	0.207	00644	CA	-0.018	CSIDE	0.009	-0.011	5.76
030	4-1.49	-31	9.24	0.207	00644	CM	-0.018	CSIDE	0.009	-0.011	5.76
031	4-1.49	-31	9.24	0.207							

WLF	Q	BETA	ALPHA	CM	CA	CM	CMOL	CYAN	CSIDE	CL	CB	L/D
3147	445.13	6.35	9.18	5803	00454	-0.312	-0.143	-0.052	-0.044	5721	-0.9711	5.49
3149	445.17	4.26	9.18	5813	00468	-0.343	-0.096	-0.036	-0.022	5750	-0.9729	5.49
330	445.68	2.01	9.17	5903	00477	-0.470	-0.070	-0.021	-0.002	5820	-0.9876	5.89
349	445.98	1.01	9.16	5897	00468	-0.492	-0.027	-0.011	-0.008	5814	-0.9869	5.89
372	445.37	0.0	9.13	5893	00492	-0.507	-0.021	-0.001	-0.011	5810	-0.9861	5.89
391	445.58	1.31	9.16	5999	00495	-0.511	-0.027	-0.013	-0.013	5816	-0.9876	5.89
411	445.71	2.04	9.16	5920	00492	-0.505	-0.054	-0.019	-0.022	5837	-0.9924	5.89
428	445.84	3.74	9.16	5887	00494	-0.494	-0.076	-0.029	-0.032	5854	-0.9938	5.89
443	445.93	6.07	9.16	5884	00490	-0.464	-0.099	-0.037	-0.043	5882	-0.9956	5.89
467	446.03	9.07	9.18	4830	00482	-0.346	-0.140	-0.004	-0.073	5748	-0.9775	5.88
490	445.93	0.01	9.16	5824	00486	-0.312	-0.092	-0.001	-0.016	5860	-0.9920	5.89

TIME	TEST #29	BURN 36	MACH 40	400	LONG LG.	9	01/14/76				
	NETA	ALPHA	CM	CA	CM	CML	CV44	ESTOR	CL	CD	L/D
120.40	-0.02	0.41	4982	.00107	-0.075	.0164	.0042	-.0022	.4944	.07564	6.51
120.44	-0.01	0.61	5023	.00150	-0.136	.0113	.0029	-.0029	.4944	.07664	6.40
120.48	1.00	0.60	5031	.00217	-0.185	.0057	.0017	-.0033	.4971	.07735	6.43
120.52	1.00	0.63	5054	.00247	-0.181	.0037	.0010	-.0027	.4993	.07805	6.40
120.56	1.00	0.60	5050	.00285	-0.191	.0031	.0001	-.0018	.4989	.07834	6.37
120.60	1.01	0.43	5055	.00286	-0.201	.0030	.0020	-.0019	.4994	.07843	6.37
120.64	2.02	0.40	5053	.00287	-0.201	.0040	.0017	-.0007	.4992	.07839	6.37
120.68	3.03	0.49	5033	.00289	-0.194	.0037	.0024	-.0013	.4972	.07806	6.37
120.72	4.01	0.40	5044	.00279	-0.183	.0115	.0030	-.0022	.4993	.07835	6.37
120.76	5.00	0.61	5024	.00282	-0.127	.0166	.0044	-.0036	.4948	.07807	6.36
120.80	6.01	0.59	5020	.00212	-0.190	.0002	.0002	-.0021	.4948	.07768	6.30

## APPENDIX

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ORIGINAL PAGE IS  
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TEST	720	BUN	40	MACM	NO	970	CONF	16	10	01/10/76
WTF	46.26	4.04	CM	CA	CW	CROLL	CVAM	CSIDE	CL	CD
720	-33	-3359	-3759	-3637	-3213	-0001	-0012	-0312	-3340	-03403
40	-09	-2443	-30910	-0429	-0014	-0003	-0009	-0609	-2433	-0340
970	-37	-140	-00971	-0228	-0011	-3302	-0003	-0003	-1554	-0129
MACM	-03	-0841	-01149	-0121	-2005	-0001	-0001	-0001	-0038	-01328
NO	-73	-2164	-21245	-0056	-0005	-0002	-0002	-0000	-0144	-0133
970	-49	-0908	-31217	-0008	-0034	-0003	-0001	-0001	-0503	-01319
CONF	-73	1.15	1194	-0081	-0026	-0002	-0001	-0001	-1178	-01327
10	-33	3.58	-1962	-0007	-0101	-0007	-0003	-0703	-1753	-01312
01/10/76	-73	3.89	-3809	-0375	-0097	-0000	-0007	-0507	-2788	-02979
	-30	6.07	-3910	-0373	-0314	-0006	-0001	-0012	-3889	-04847
	-31	7.34	-4493	-30785	-0613	-0032	-0001	-0012	-4751	-04930
	-31	8.43	-5713	-30776	-0708	-0001	-0001	-0014	-5093	-0606
	-01	9.90	-6436	-30745	-0762	-0032	-0002	-0013	-5124	-06147
	-03	-0131	-31265	-3054	-3025	-0002	-0002	-0001	-01371	-01265
	-01	-0131	-31265	-3054	-3025	-0002	-0002	-0001	-01371	-01265

TIME	S	SEVA	ALPHA	CM	CA	CM	CAOLL	CVAM	CSIDE	CL	CD	L/D
0000	447.97	-30	-3.95	-3245	-00440	-0524	-0012	-0001	-0013	-1226	-03427	-9.42
0005	448.38	-30	-3.61	-3232	-33742	-0352	-0012	-0002	-0006	-2313	-02204	-10.50
0010	448.69	-30	-2.41	-1524	-00919	-0197	-0010	-0002	-0004	-1519	-01558	-9.75
0015	448.64	-30	-1.23	-3035	-31135	-0104	-2324	-3002	-0000	-0802	-01274	-6.30
0020	448.57	-30	-0.02	-0183	-31133	-0049	-0037	-3002	-0001	-0185	-01188	-1.37
0025	448.67	-30	1.18	-0215	-31181	-3011	-3033	-3003	-0001	-0185	-01248	4.04
0030	448.46	-30	7.40	-1204	-00493	-0075	-0036	-3003	-0000	1201	-01477	8.13
0035	448.44	-30	1.40	1814	-23743	-7344	-0737	-2332	-3032	1907	-03431	9.83
0040	448.04	-30	4.82	2819	-00557	-3168	-0007	-0501	-0007	-2803	-02939	9.58
0045	447.59	-30	0.04	3839	-00546	-0523	-2332	-2332	-0314	-3801	-04432	8.10
0050	447.33	-30	7.35	4759	-00591	-0535	-0002	-0001	-0012	4701	-04743	6.95
0055	447.02	-30	9.43	7713	-00444	-0856	-0001	-0001	-0012	5638	-39237	6.10
0100	446.88	-30	9.88	6423	-00445	-0744	-0002	-0002	-0011	4513	-12044	5.42
0105	446.30	-30	-0.02	-0125	-01211	-0040	-0075	-0002	-0002	-0125	-02312	-1.03

WV	W	WST	W90	SUN	Q2	WCM	NO.	W90	CONF.	10	01/16/76
944	41.17	854	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
945	41.18	855	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
946	41.19	856	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
947	41.20	857	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
948	41.21	858	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
949	41.22	859	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
950	41.23	860	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
951	41.24	861	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
952	41.25	862	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
953	41.26	863	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
954	41.27	864	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
955	41.28	865	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
956	41.29	866	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
957	41.30	867	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
958	41.31	868	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
959	41.32	869	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
960	41.33	870	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
961	41.34	871	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
962	41.35	872	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
963	41.36	873	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
964	41.37	874	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
965	41.38	875	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
966	41.39	876	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
967	41.40	877	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
968	41.41	878	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
969	41.42	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
970	41.43	880	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
971	41.44	881	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
972	41.45	882	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
973	41.46	883	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
974	41.47	884	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
975	41.48	885	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
976	41.49	886	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
977	41.50	887	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
978	41.51	888	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
979	41.52	889	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
980	41.53	890	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
981	41.54	891	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
982	41.55	892	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
983	41.56	893	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
984	41.57	894	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
985	41.58	895	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
986	41.59	896	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
987	41.60	897	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
988	41.61	898	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
989	41.62	899	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
990	41.63	900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
991	41.64	901	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
992	41.65	902	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
993	41.66	903	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
994	41.67	904	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
995	41.68	905	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
996	41.69	906	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
997	41.70	907	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
998	41.71	908	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
999	41.72	909	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000	41.73	910	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

## APPENDIX

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DATE	TIME	WAVE	CH	ALPHA	CM	CA	CM	CRILL	CYAN	CSIOE	CL	CO	L/O
1945	11:04	33.5	400	4.75	-2833	-00583	-0288	-0010	-0001	-0015	-2819	-02904	9.71
1945	11:05	33.5	400	4.75	-2550	-02571	-0205	-0012	-0002	-0011	-2050	-01932	-10.51
1945	11:06	33.5	400	4.75	-1336	-03077	-0107	-0010	-0302	-0006	-1331	-01419	9.38
1945	11:07	33.5	400	4.75	-0725	-01361	-0372	-0336	-0001	-0002	-0723	-01206	5.98
1945	11:08	33.5	400	4.75	-0164	-01155	-0033	-0037	-0032	-0005	-0164	-01215	-1.52
1945	11:09	33.5	400	4.75	24.1	31125	-0031	-0337	-0333	-0005	-0458	-01215	3.77
1945	11:10	33.5	400	4.75	1601	33951	-0333	-0335	-0003	-0005	-1076	-01349	7.75
1945	11:11	33.5	400	4.75	1626	33682	-0338	-0339	-0003	-0005	-1077	-01349	9.06
1945	11:12	33.5	400	4.75	2840	33440	-0180	-0010	-0000	-0034	-2814	-02408	10.33
1945	11:13	33.5	400	4.75	5176	33393	-0275	-0321	-0003	-0324	-3287	-03771	8.72
1945	11:14	33.5	400	4.75	4164	33515	-0194	-0000	-0001	-0014	-0157	-01574	7.40
1945	11:15	33.5	400	4.75	5135	33475	-0274	-0331	-0002	-0013	-2944	-37089	6.53
1945	11:16	33.5	400	4.75	5825	30352	-0257	-0301	-0002	-0012	-3737	-37089	5.71
1945	11:17	33.5	400	4.75	7646	00163	-0212	-0332	-0002	-0007	-7511	-10329	6.09
1945	11:18	33.5	400	4.75	-0103	00163	-0033	-0005	-0002	-0004	-0103	-01163	-0.09

DATE	TIME	WIND	WAVE	SEA	ALPHA	CM	CA	CM	CRULL	CVAM	CSIDE	CL	CD	L/D
0000	137.40				-2.593		-0.7529	-0.210	-0.013	-0.001	-0.011	-0.571	0.3542	10.04
0005	137.40				-1.864		-0.5681	-0.141	-0.014	-0.002	-0.009	-0.181	0.1772	10.45
0010	138.02				-2.279		-0.6973	-0.073	-0.011	-0.002	-0.007	-0.264	0.1403	9.81
0015	138.21				-1.642		-0.1081	-0.062	-0.008	-0.001	-0.006	-0.069	0.1219	5.68
0020	138.40				-0.0		-0.1192	-0.031	-0.004	-0.002	-0.002	-0.119	0.1180	1.01
0025	138.59				-0.616		-0.1142	-0.004	-0.004	-0.004	-0.007	-0.034	0.1231	3.33
0030	138.78				-0.786		-0.0999	-0.015	-0.007	-0.004	-0.004	-0.080	0.1382	7.09
0035	138.97				-1.473		-0.1778	-0.040	-0.009	-0.003	-0.003	-0.156	0.1650	9.49
0040	139.16				-2.162		-0.5746	-0.209	-0.010	-0.000	-0.002	-0.252	0.1270	10.15
0045	139.35				-1.939		-0.2021	-0.187	-0.010	-0.004	-0.019	-0.923	0.1090	9.46
0050	139.54				-3.782		-0.7236	-0.232	-0.022	-0.004	-0.025	-0.353	0.0492	8.00
0055	139.71				-0.0		-0.7223	-0.186	-0.006	-0.001	-0.029	-0.547	0.0440	6.85
0100	139.89				-0.516		-0.2251	-0.125	-0.004	-0.003	-0.016	-0.314	0.0863	6.00
0105	139.80				-11.49		-0.6046	-0.039	-0.006	-0.003	-0.008	-0.091	0.1818	4.88
0110	139.99				-0.873		-0.0146	-0.116	-0.003	-0.003	-0.032	-0.317	0.1037	9.23
0115	140.17				-0.242		-0.0030	-0.168	-0.003	-0.004	-0.061	-0.115	0.2392	3.81
0120	139.99				-0.116		-0.1179	-0.028	-0.003	-0.001	-0.007	-0.117	0.1176	0.91

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## APPENDIX

WAVE	C	TEST 729	PUN 49	MACH NO	600	CONV LG	11	01/14/76		
95°A	ALPHA	CM	CA	CY	CR01	CYAH	CSIDE	CL	CD	L/D
6.05	3139	00284	-	0132	0132	0068	-	3121	03387	9.21
6.07	3140	00297	-	0172	0061	0071	-	3122	03398	9.19
6.66	3108	00306	-	0206	0072	0033	-	3090	03364	9.18
6.65	3111	00393	-	0224	0074	0024	-	3062	03358	9.21
6.64	3091	00243	-	0235	0013	0011	-	3063	03272	9.36
5.73	3121	00221	-	0241	0032	0020	-	2999	03177	9.44
5.63	3025	00210	-	0240	0049	0012	-	3010	03178	9.47
5.63	3005	00220	-	0240	0066	0024	-	2988	03165	9.44
5.43	3021	00237	-	0221	0080	0036	-	3005	03202	9.38
5.05	3042	00201	-	0201	0109	0063	-	3044	03336	9.13
5.63	3024	00241	-	0232	0017	0011	-	3023	03225	9.37

WAVE	REFR	ALPHA	FN	CA	FW	CRML	CYAN	CSINE	CL	CD	L/D
1.100	527.79	-6.29	-0.019	0.1945	0.094	-0.002	0.063	0.070	-0.010	0.1945	0.05
1.100	527.86	-4.36	-0.023	0.1921	0.079	-0.002	0.042	0.044	-0.003	0.1921	0.01
1.100	528.86	-2.30	-0.024	0.1907	0.061	-0.002	0.023	0.018	-0.024	0.1907	0.01
1.100	527.96	-1.27	-0.034	0.1902	0.044	-0.001	0.013	0.010	-0.034	0.1902	0.18
1.100	527.70	-0.31	-0.026	0.1902	0.047	0.000	0.003	0.002	-0.026	0.1902	0.14
1.100	527.81	1.31	-0.025	0.1897	0.044	0.001	0.003	-0.038	0.025	0.1898	0.13
1.100	528.86	2.32	-0.040	0.1899	0.047	0.001	0.019	-0.018	-0.040	0.1898	0.21
1.100	527.86	3.35	-0.034	0.1909	0.048	0.003	0.028	-0.033	-0.034	0.1908	0.18
1.100	528.86	4.35	-0.052	0.1919	0.053	0.003	0.035	-0.035	-0.052	0.1919	0.043
1.100	528.70	5.09	-0.062	0.1929	0.055	0.004	0.060	-0.072	-0.062	0.1929	0.32
1.100	528.2	-0.00	-0.032	0.1893	0.049	0.001	0.002	0.000	-0.032	0.1898	0.19

TIME	ALPHA	CN	CA	CN	CQOL	CYAN	CSIDE	CL	CO	L/D
0450	4.07	0.034	0.1220	0.040	0.010	0.057	0.037	0.034	0.1220	0.27
0450	4.04	0.020	0.1225	0.035	0.010	0.038	0.033	0.020	0.1220	0.16
0450	4.00	0.014	0.1222	0.021	0.010	0.020	0.018	0.010	0.1222	0.15
0450	4.00	0.004	0.1223	0.013	0.008	0.011	0.009	0.004	0.1223	0.03
0450	4.00	0.024	0.1229	0.008	0.006	0.002	0.002	0.002	0.1229	0.20
0450	4.01	0.014	0.1231	0.003	0.005	0.007	0.005	0.014	0.1231	0.12
0450	4.01	0.004	0.1227	0.007	0.003	0.014	0.013	0.003	0.1228	0.32
0450	4.04	0.007	0.1229	0.010	0.000	0.026	0.023	0.007	0.1230	0.38
0450	4.04	0.001	0.1231	0.015	0.003	0.034	0.035	0.001	0.1231	0.41
0450	4.07	0.067	0.1233	0.031	0.007	0.054	0.057	0.067	0.1233	0.55
0450	4.00	0.1225	0.010	0.007	0.007	0.002	0.003	0.062	0.1225	0.34

# APPENDIX

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CONFIG. 12

WACH NO. 900

RUN 52

TEST 729

TIME	Q	BETA	ALPHA	CN	CA	CM	CRLL	CYAM	CSIDE	CL	CO	L/D
445.99	445.99	-6.04	.03	.0065	.01195	.0048	.0008	.0052	.0053	.0065	.01185	.55
445.96	445.96	-4.04	.01	.0014	.01195	.0032	.0011	.0035	.0032	.0014	.01184	.12
445.97	445.97	-2.02	.01	.0018	.01187	.0018	.0009	.0018	.0016	.0018	.01187	.15
445.94	445.94	-1.00	.00	.0013	.01184	.0009	.0009	.0010	.0010	.0013	.01186	.11
445.94	445.94	-.01	.01	.0027	.01187	.0036	.0037	.0031	.0004	.0027	.01187	.23
445.93	445.93	1.02	.01	.0030	.01189	.0000	.0005	.0007	.0003	.0030	.01189	.26
445.51	445.51	3.02	.01	.0039	.01184	.0032	.0033	.0015	.0009	.0039	.01188	.32
445.04	445.04	3.03	.01	.0048	.01197	.0002	.0000	.0024	.0019	.0048	.01189	.41
445.47	445.47	4.04	.02	.0062	.01183	.0013	.0002	.0033	.0029	.0062	.01188	.52
445.77	445.77	6.04	.01	.0059	.01186	.0024	.0004	.0050	.0021	.0059	.01186	.59
445.64	445.64	.01	.01	.0034	.01179	.0005	.0026	.0002	.0004	.0034	.01179	.68

01/14/76

CONFIG. 12

WACH NO. 800

RUN 53

TEST 729

TIME	Q	BETA	ALPHA	CN	CA	CM	CRLL	CYAM	CSIDE	CL	CO	L/D
410.91	410.91	-6.05	.03	.0052	.01157	.0041	.0009	.0048	.0053	.0052	.01168	.45
411.20	411.20	-4.04	.01	.0019	.01181	.0031	.0011	.0032	.0035	.0018	.01181	.15
411.79	411.79	-2.01	.00	.0003	.01183	.0014	.0012	.0017	.0019	.0003	.01183	.02
411.13	411.13	-1.01	.01	.0025	.01182	.0003	.0010	.0009	.0013	.0028	.01184	.23
411.76	411.76	-.00	.02	.0017	.01185	.0000	.0008	.0001	.0005	.0017	.01185	.14
411.33	411.33	1.01	.00	.0017	.01187	.0003	.0006	.0007	.0000	.0017	.01187	.31
411.33	411.33	2.02	.01	.0037	.01184	.0032	.0033	.0015	.0007	.0037	.01184	.47
411.31	411.31	3.01	.02	.0043	.01181	.0001	.0031	.0023	.0014	.0043	.01181	.51
411.31	411.31	4.04	.01	.0055	.01183	.0027	.0031	.0033	.0025	.0055	.01180	.34
411.03	411.03	6.05	.01	.0070	.01178	.0025	.0007	.0048	.0047	.0070	.01178	.60
411.18	411.18	-.00	.02	.0099	.01184	.0021	.0007	.0000	.0004	.0099	.01184	.68

01/14/76

CONFIG. 12

WACH NO. 600

RUN 54

TEST 729

TIME	Q	BETA	ALPHA	CN	CA	CM	CRLL	CYAM	CSIDE	CL	CO	L/D
325.86	325.86	-6.04	.02	.0053	.01176	.0048	.0013	.0045	.0057	.0053	.01178	.45
325.41	325.41	-4.03	.01	.0027	.01197	.0031	.0012	.0030	.0036	.0027	.01187	.23
325.33	325.33	-2.01	.00	.0008	.01192	.0008	.0011	.0016	.0022	.0008	.01192	.07
327.78	327.78	-1.00	.01	.0037	.01194	.0009	.0011	.0009	.0013	.0037	.01194	.31
327.87	327.87	.01	.01	.0039	.01176	.0005	.0038	.0030	.0008	.0038	.01194	.32
328.03	328.03	.09	.01	.0044	.01205	.0007	.0004	.0007	.0006	.0044	.01205	.36
327.44	327.44	2.01	.03	.0015	.01231	.0007	.0034	.0015	.0005	.0015	.01201	.13
327.94	327.94	3.03	.01	.0029	.01195	.0002	.0001	.0023	.0014	.0029	.01195	.25
328.19	328.19	4.02	.01	.0041	.01193	.0001	.0031	.0030	.0022	.0041	.01190	.34
327.86	327.86	6.04	.01	.0044	.01193	.0016	.0005	.0046	.0043	.0044	.01193	.36
328.34	328.34	-.00	.00	.0011	.01193	.0002	.0009	.0009	.0009	.0011	.01198	.10

# APPENDIX

STABILITY AXIS										PRJ 1114	RUN 7	MACH 1.60
PT	L/C	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
121	-3.9500	-.01	-5.22	-.1131	.0283	.0306	-.0005	.0005	.0002			
122	-2.1325	-.01	-4.08	-.0504	.0236	.0209	-.0003	.0006	.0001			
123	.4033	-.00	-2.91	.0128	.0712	.0104	-.0004	.0005	-.0003			
124	3.3556	-.00	-1.76	.0707	.0211	.0015	-.0002	.0002	-.0002			
125	5.6786	-.00	-.59	.1287	.0229	-.0079	-.0003	.0004	-.0003			
126	7.0497	-.01	.57	.1876	.0266	-.0170	-.0002	.0005	.0002			
127	7.6097	-.01	1.73	.2457	.0323	-.0247	-.0002	.0002	.0007			
128	7.5667	-.01	2.39	.3016	.0359	-.0314	-.0001	.0001	.0010			
129	7.1510	-.01	4.05	.3555	.0497	-.0367	-.0005	.0007	.0002			
130	5.9293	-.01	6.40	.4675	.0782	-.0383	-.0002	.0007	.0005			
131	4.9471	-.01	9.78	.5647	.1166	-.0304	-.0000	.0008	.0009			
132	4.3802	-.01	10.00	.6122	.1398	-.0241	-.0002	.0009	.0005			
133	-3.9589	-.00	-5.20	-.1111	.0281	.0306	-.0006	.0004	.0001			

STABILITY AXIS										PRJ 1114	RUN 8	MACH 1.60
PT	L/C	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
134	-3.8787	3.07	-5.20	-.1097	.0283	.0295	-.0039	-.0020	-.0195			
135	-2.1282	3.07	-4.08	-.0509	.0239	.0191	-.0046	-.0015	-.0192			
136	.5311	3.06	-2.92	.0115	.0215	.0085	-.0058	-.0007	-.0192			
137	3.4489	3.06	-1.74	.0740	.0214	-.0020	-.0068	-.0005	-.0193			
138	5.5502	3.06	-.61	.1295	.0233	-.0102	-.0072	-.0007	-.0191			
139	6.9015	3.07	.57	.1869	.0271	-.0179	-.0076	-.0009	-.0198			
140	7.4878	3.07	1.71	.2427	.0324	-.0247	-.0077	-.0009	-.0200			
141	7.4497	3.08	2.88	.2995	.0400	-.0305	-.0076	-.0010	-.0207			
142	7.0858	3.08	4.05	.3539	.0499	-.0345	-.0079	-.0006	-.0210			
143	5.8263	3.08	6.40	.4601	.0790	-.0340	-.0106	.0015	-.0262			
144	4.7910	3.07	8.77	.5616	.1172	-.0280	-.0119	.0028	-.0253			
145	4.1653	3.07	9.99	.6112	.1400	-.0225	-.0123	.0029	-.0245			
146	-3.8122	3.07	-5.19	-.1075	.0282	.0292	-.0042	-.0018	-.0200			

BODY AXIS										PRJ 1114	RUN 9	MACH 1.60
PT	DYN PRS	BETA	ALPHA	CA	CB	CM	CLB	CNB	CV			
147	481.90	-4.13	-5.18	-.1099	.0186	.0281	.0051	.0033	.0277			
148	482.19	-2.05	-5.17	-.1107	.0182	.0303	.0023	.0020	.0128			
149	482.11	-1.04	-5.21	-.1152	.0176	.0307	.0009	.0013	.0067			
150	482.11	-.02	-5.20	-.1132	.0179	.0312	-.0002	.0005	.0034			
151	482.06	1.03	-5.20	-.1143	.0178	.0307	-.0012	.0007	.0059			
152	482.15	2.08	-5.20	-.1129	.0180	.0301	-.0027	-.0011	.0122			
153	482.11	4.12	-5.20	-.1117	.0184	.0282	-.0055	-.0021	.0264			
154	482.28	6.23	-5.21	-.1098	.0192	.0224	-.0083	-.0033	.0431			
155	480.55	-.01	-5.20	-.1155	.0178	.0311	-.0003	.0005	.0005			

BODY AXIS										PRJ 1114	RUN 10	MACH 1.60
PT	DYN PRS	BETA	ALPHA	CA	CB	CM	CLB	CNB	CV			
156	480.72	-4.14	-.61	.1269	.0249	-.0113	.0090	.0019	.0274			
157	480.57	-2.04	-.60	.1300	.0244	-.0084	.0047	.0011	.0127			
158	480.76	-1.01	-.58	.1322	.0243	-.0080	.0023	.0008	.0066			
159	480.80	-.02	-.59	.1295	.0241	-.0079	-.0003	.0005	.0032			
160	480.80	1.04	-.59	.1316	.0243	-.0080	.0029	.0002	.0065			
161	480.67	2.03	-.59	.1302	.0244	-.0080	.0052	-.0001	.0121			
162	480.84	4.11	-.61	.1288	.0250	-.0116	-.0095	-.0008	.0259			
163	480.72	6.21	-.63	.1267	.0256	-.0149	-.0130	-.0019	.0407			
164	480.34	-.01	-.60	.1297	.0241	-.0080	-.0006	.0006	.0001			



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BODY AXIS										PRJ 1114	RUN 11	MACH 1.40
PT	DYN PRS	BETA	ALPHA	CA	CB	CM	CLB	CNB	CV			
165	481.01	-4.16	6.40	.4637	.0281	-.0323	.0138	.0010	.0374			
166	481.01	-2.06	6.40	.4674	.0263	-.0362	.0064	.0012	.0188			
167	481.01	-1.03	6.40	.4688	.0260	-.0367	.0032	.0011	.0093			
168	480.79	-.01	6.39	.4673	.0257	-.0377	-.0003	.0007	.0008			
169	481.09	1.04	6.39	.4658	.0258	-.0379	-.0033	.0003	-.0065			
170	481.01	2.04	6.40	.4674	.0262	-.0368	-.0065	.0000	-.0145			
171	480.80	4.13	6.39	.4641	.0278	-.0343	-.0147	.0008	-.0359			
172	481.05	-.01	6.39	.4673	.0257	-.0377	.0002	.0007	.0010			

STABILITY AXIS										PRJ 1114	RUN 14	MACH 2.00
PY	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
184	-2.7389	-.01	-4.71	-.0673	.0246	.0133	-.0301	.0006	.0009			
185	-.8182	-.01	-3.62	-.0179	.0219	.0054	.0001	.0006	.0009			
186	1.5601	-.01	-2.44	.0327	.0210	-.0024	-.0001	.0006	.0007			
187	3.6286	-.01	-1.39	.0792	.0218	-.0105	-.0003	.0007	.0004			
188	5.2612	-.01	-.23	.1295	.0246	-.0167	-.0002	.0009	.0004			
189	6.0942	-.01	.91	.1760	.0264	-.0216	-.0002	.0008	.0002			
190	6.3732	-.01	2.03	.2207	.0346	-.0255	-.0001	.0008	.0005			
191	6.3389	-.01	3.17	.2652	.0418	-.0246	-.0002	.0010	.0006			
192	6.1115	-.01	4.30	.3076	.0503	-.0302	-.0002	.0009	.0008			
193	5.3864	-.01	6.60	.3940	.0732	-.0267	-.0004	.0012	.0008			
194	4.5852	-.01	8.91	.4775	.1041	-.0189	-.0003	.0013	.0005			
195	3.8543	-.01	11.25	.5599	.1438	-.0047	-.0001	.0011	.0012			
196	3.3471	-.01	13.58	.6381	.1907	.0121	.0000	.0009	.0021			
197	-2.7427	-.01	-4.71	-.0676	.0247	.0131	.0000	.0006	.0011			

STABILITY AXIS										PRJ 1114	RUN 15	MACH 2.00
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
198	-2.7194	3.07	-4.72	-.0690	.0254	.0121	-.0038	-.0016	-.0210			
199	-.9276	3.07	-3.62	-.0209	.0226	.0062	-.0037	-.0016	-.0198			
200	1.7802	3.07	-2.50	.0276	.0215	-.0039	-.0033	-.0018	-.0174			
201	3.4736	3.06	-1.37	.0772	.0222	-.0082	-.0032	-.0021	-.0164			
202	5.0928	3.06	-.23	.1259	.0247	-.0150	-.0030	-.0023	-.0154			
203	5.9550	3.07	.90	.1731	.0289	-.0201	-.0030	-.0025	-.0158			
204	6.3010	3.07	2.03	.2173	.0345	-.0241	-.0033	-.0023	-.0166			
205	6.2592	3.07	3.17	.2629	.0417	-.0249	-.0036	-.0021	-.0181			
206	6.0427	3.07	4.31	.3062	.0505	-.0278	-.0042	-.0014	-.0204			
207	5.3495	3.08	6.60	.3932	.0735	-.0265	-.0052	-.0009	-.0211			
208	4.5636	3.07	8.91	.4760	.1043	-.0172	-.0047	-.0003	-.0201			
209	3.8866	3.07	11.24	.5569	.1433	-.0042	-.0001	.0009	-.0200			
210	3.3462	3.06	13.59	.6375	.1905	.0117	-.0009	.0019	-.0190			
211	-2.7102	3.07	-4.72	-.0689	.0254	.0126	-.0038	-.0016	-.0209			

BODY AXIS										PRJ 1114	RUN 16	MACH 2.00
PY	DYN PRS	BETA	ALPHA	CA	CB	CM	CLB	CNB	CV			
212	474.87	-4.13	-4.73	-.0732	.0199	.0128	.0042	.0041	.0274			
213	475.09	-2.05	-4.72	-.0710	.0194	.0131	.0028	.0015	.0152			
214	475.01	-1.04	-4.72	-.0700	.0192	.0130	.0015	.0008	.0083			
215	475.09	-.01	-4.71	-.0681	.0191	.0134	-.0001	.0006	.0004			
216	475.01	1.03	-4.71	-.0696	.0192	.0133	-.0018	.0003	-.0075			
217	475.16	2.07	-4.71	-.0694	.0194	.0123	-.0030	-.0002	-.0144			
218	475.16	4.13	-4.72	-.0713	.0200	.0114	-.0045	-.0027	-.0271			
219	475.09	6.20	-4.73	-.0718	.0206	.0109	-.0047	-.0059	-.0396			
220	475.04	-.01	-4.71	-.0679	.0192	.0130	-.0002	.0006	.0000			

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BODY AXIS		PRJ 1114		RUN 17		MACH 2.00			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CV
221	475.16	-4.13	-26	.1195	.0254	-.0130	.0031	.0057	.0219
222	475.12	-2.03	-23	.1278	.0253	-.0132	.0016	.0029	.0101
223	475.19	-1.05	-22	.1304	.0254	-.0162	.0006	.0019	.0047
224	475.16	-.01	-22	.1325	.0253	-.0170	-.0002	.0008	-.0000
225	475.30	1.00	-23	.1288	.0253	-.0168	-.0013	-.0001	-.0049
226	475.19	2.03	-22	.1288	.0254	-.0163	-.0021	-.0011	-.0099
227	475.34	4.12	-24	.1213	.0254	-.0141	-.0038	-.0037	-.0218
228	475.26	6.21	-26	.1127	.0256	-.0126	-.0054	-.0065	-.0355
229	475.44	-.01	-22	.1302	.0253	-.0145	-.0003	.0009	-.0000

BODY AXIS		PRJ 1114		RUN 18		MACH 2.00			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CV
230	475.19	-4.15	6.40	.3965	.0285	-.0241	.0062	.0042	.0317
231	475.19	-2.07	6.61	.4004	.0278	-.0269	.0026	.0027	.0159
232	475.25	-1.05	6.60	.3998	.0274	-.0244	.0008	.0023	.0073
233	474.80	-.01	6.40	.3996	.0275	-.0270	-.0007	.0012	.0005
234	474.83	1.02	6.60	.3998	.0275	-.0275	-.0021	.0001	-.0057
235	474.76	2.04	6.60	.3996	.0277	-.0274	-.0035	-.0007	-.0133
236	474.69	4.13	6.60	.3982	.0285	-.0258	-.0069	-.0023	-.0294
237	474.80	6.24	6.58	.3983	.0296	-.0216	-.0106	-.0041	-.0435
238	474.43	-.01	6.60	.4001	.0275	-.0274	-.0008	.0012	.0003

STABILITY AXIS		PRJ 1114		RUN 20		MACH 2.36			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
247	-1.6509	-.01	-4.12	-.0395	.0239	-.0015	.0002	.0007	.0013
248	-.1053	-.01	-3.66	.0223	.0223	-.0019	.0002	.0003	.0004
249	1.6758	-.01	-1.98	.0370	.0221	-.0056	.0001	.0006	.0008
250	3.8764	-.01	-.77	.0918	.0237	-.0105	.0005	.0006	.0007
251	4.8207	-.01	.30	.1279	.0265	-.0137	.0006	.0009	.0013
252	5.4679	-.01	1.41	.1685	.0308	-.0165	.0002	.0006	.0003
253	5.7250	-.01	2.51	.2086	.0364	-.0193	.0008	.0005	.0011
254	5.6527	-.01	3.63	.2434	.0431	-.0206	.0001	.0008	.0006
255	5.5379	-.01	4.76	.2866	.0517	-.0205	.0003	.0009	.0013
256	4.9747	-.01	7.00	.3584	.0720	-.0151	-.0002	.0006	.0009
257	4.3277	-.01	9.21	.4337	.1004	-.0063	.0001	.0007	.0002
258	3.7359	-.01	11.57	.5101	.1365	.0051	.0001	.0010	.0010
259	3.2508	-.01	13.82	.5758	.1767	.0160	-.0000	.0010	.0017
260	2.8678	-.01	16.12	.6452	.2250	.0313	.0006	.0006	.0022
261	-1.3383	-.01	-4.10	-.0315	.0236	.0011	.0003	.0006	.0012

STABILITY AXTS		PRJ 1114		RUN 21		MACH 2.36			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
262	-1.4077	3.08	-4.10	-.0335	.0236	-.0029	.0005	-.0044	-.0153
263	.0042	3.07	-3.06	.0001	.0224	-.0011	.0004	-.0043	-.0143
264	1.8819	3.07	-1.94	.0419	.0223	-.0059	.0010	-.0044	-.0124
265	3.9377	3.07	-.76	.0937	.0238	-.0096	.0008	-.0046	-.0119
266	4.9193	3.07	.30	.1309	.0266	-.0132	.0002	-.0046	-.0124
267	5.3388	3.07	1.41	.1718	.0309	-.0163	.0001	-.0045	-.0129
268	5.7218	3.07	2.52	.2086	.0365	-.0193	-.0009	-.0045	-.0144
269	5.6833	3.08	3.65	.2463	.0433	-.0193	-.0010	-.0046	-.0158
270	5.3377	3.08	4.76	.2879	.0520	-.0180	-.0017	-.0038	-.0180
271	4.9528	3.07	7.01	.3601	.0727	-.0151	-.0031	-.0027	-.0185
272	4.3127	3.07	9.28	.4340	.1006	-.0056	-.0046	-.0017	-.0190
273	3.7244	3.08	11.60	.5168	.1387	.0073	-.0054	-.0006	-.0191
274	3.2529	3.06	13.85	.5844	.1797	.0182	-.0067	.0009	-.0188
275	2.8650	3.05	16.14	.6513	.2273	.0306	-.0079	.0018	-.0178
276	-1.5618	3.07	-4.12	-.0375	.0240	.0030	.0004	-.0040	-.0147

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BODY AXIS										
PRJ 1114										
RUN 22										
MACH 2.36										
PT	DYN	PRS	RETA	ALPHA	CN	CA	CM	CLB	CNB	CY
277	449.22	-4.14	-4.13	-.0427	.0211	.0043	.0011	.0067	.0250	
278	448.82	-2.06	-4.10	-.0306	.0214	.0019	.0005	.0040	.0118	
279	449.16	-1.06	-4.11	-.0327	.0213	.0017	.0003	.0023	.0061	
280	449.50	-.03	-4.08	-.0245	.0216	.0019	.0006	.0036	.0014	
281	449.19	1.04	-4.11	-.0332	.0213	.0019	.0001	.0009	.0037	
282	449.07	2.04	-4.10	-.0317	.0214	.0025	.0000	.0024	.0049	
283	449.27	4.12	-4.08	-.0292	.0217	.0040	.0001	.0055	.0008	
284	449.19	6.22	-4.13	-.0455	.0215	.0052	.0006	.0086	.0053	
285	449.25	-.01	-4.13	-.0376	.0212	.0017	.0006	.0004	.0011	

BODY AXIS										
PRJ 1114										
RUN 23										
MACH 2.36										
PT	DYN	PRS	RETA	ALPHA	CN	CA	CM	CLB	CNB	CY
286	449.19	-4.13	.27	.1242	.0257	-.0132	-.0002	.0079	.0195	
287	449.19	-2.06	.30	.1309	.0259	-.0140	-.0002	.0046	.0095	
288	449.10	-1.06	.31	.1331	.0260	-.0137	-.0004	.0030	.0045	
289	448.93	-.01	.31	.1313	.0259	-.0140	.0002	.0006	.0003	
290	449.13	1.02	.31	.1318	.0259	-.0137	-.0000	-.0011	-.0034	
291	448.94	2.03	.30	.1278	.0259	-.0138	.0002	-.0025	-.0067	
292	448.76	4.12	.34	.1370	.0261	-.0125	.0003	-.0060	-.0167	
293	448.71	6.19	.28	.1184	.0258	-.0115	-.0003	-.0092	-.0294	
294	449.05	-.01	.31	.1318	.0259	-.0134	.0001	.0007	.0005	

BODY AXIS										
PRJ 1114										
RUN 24										
MACH 2.36										
PT	DYN	PRS	RETA	ALPHA	CN	CA	CM	CLB	CNB	CY
295	448.37	-4.14	7.03	.3711	.0288	-.0133	.0044	.0055	.0285	
296	448.56	-2.06	7.01	.3674	.0281	-.0144	.0018	.0030	.0153	
297	448.45	-1.04	7.03	.3722	.0280	-.0155	.0008	.0018	.0076	
298	448.68	-.01	7.02	.3686	.0279	-.0145	.0001	.0010	.0018	
299	448.76	1.04	7.02	.3690	.0279	-.0152	-.0006	-.0005	-.0045	
300	448.76	2.06	7.04	.3721	.0281	-.0150	-.0018	-.0018	-.0116	
301	448.54	4.13	7.03	.3675	.0286	-.0134	-.0038	-.0043	-.0254	
302	448.82	6.19	6.99	.3551	.0291	-.0122	-.0056	-.0067	-.0374	
303	448.96	-.01	7.00	.3631	.0278	-.0161	-.0000	.0007	.0009	

STABILITY AXIS										
PRJ 1114										
RUN 25										
MACH 2.70										
PT	L/D	RETA	ALPHA	CL	CD	CM	CLB	CNB	CY	
304	-2.7448	-.01	-5.05	-.0762	.0256	.0049	.0000	.0007	.0005	
305	-1.6247	-.01	-4.01	-.0375	.0231	.0026	-.0003	.0008	.0005	
306	-.1483	-.00	-2.93	-.0032	.0217	.0000	-.0001	.0005	.0000	
307	1.5152	-.01	-1.83	.0326	.0215	-.0028	.0008	.0005	.0011	
308	2.9915	-.01	-.75	.0677	.0226	-.0045	-.0002	.0010	.0006	
309	4.2470	-.01	.34	.1011	.0250	-.0077	.0001	.0006	.0005	
310	4.7190	-.01	1.42	.1343	.0285	-.0098	-.0005	.0008	-.0003	
311	5.2604	-.01	2.54	.1683	.0333	-.0110	-.0004	.0011	.0007	
312	5.7941	-.01	3.62	.2034	.0392	-.0123	.0003	.0007	.0007	
313	4.9534	-.01	5.84	.2750	.0551	-.0104	.0001	.0008	.0009	
314	4.9010	-.01	8.05	.3423	.0761	-.0052	.0003	.0007	.0011	
315	3.9502	-.01	10.31	.4150	.1051	.0039	.0002	.0008	.0014	
316	3.4659	-.01	12.52	.4802	.1385	.0137	.0001	.0011	.0012	
317	3.0542	-.01	14.78	.5484	.1795	.0260	.0005	.0010	.0015	
318	-2.5996	-.01	-9.04	-.0659	.0293	.0049	.0000	.0008	.0009	

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STABILITY AXIS										PRJ 1114	RUN 26	MACH 2.70
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
319	-2.6505	3.07	-5.05	-.3578	.0256	.0044	.0021	-.0051	-.0142			
320	-1.5474	3.07	-4.01	-.0337	.0231	.0024	.0023	-.0050	-.0140			
321	-.1118	3.07	-2.93	-.0025	.0218	-.0004	.0017	-.0048	-.0137			
322	1.6541	3.06	-1.82	.0356	.0215	-.0026	.0022	-.0048	-.0121			
323	3.1422	3.05	-.74	.0714	.0227	-.0048	.0016	-.0049	-.0125			
324	4.1167	3.04	.36	.1032	.0251	-.0072	.0013	-.0050	-.0124			
325	4.7522	3.03	1.44	.1356	.0245	-.0097	.0009	-.0049	-.0124			
326	5.1425	3.02	2.53	.1718	.0334	-.0111	.0006	-.0049	-.0135			
327	5.2552	3.02	3.63	.2073	.0395	-.0114	-.0000	-.0045	-.0143			
328	4.9701	3.02	5.63	.2731	.0550	-.0097	-.0014	-.0038	-.0170			
329	4.4927	3.02	8.09	.3515	.0782	-.0018	-.0026	-.0026	-.0180			
330	3.9431	3.00	10.29	.4132	.1048	.0036	-.0037	-.0013	-.0182			
331	3.4588	3.06	12.53	.4804	.1389	.0138	-.0052	-.0000	-.0196			
332	3.0546	3.05	14.75	.5429	.1777	.0255	-.0060	.0007	-.0176			
333	-2.7058	3.07	-5.05	-.0690	.0257	.0051	.0015	-.0049	-.0149			

BODY AXIS										PRJ 1114	RUN 27	MACH 2.70
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNB	CV			
334	413.60	-4.13	-5.07	-.0767	.0193	.0048	-.0013	.0081	.0215			
335	413.58	-2.05	-4.06	-.0736	.0193	.0042	-.0005	.0045	.0110			
336	413.61	-1.04	-3.05	-.0706	.0193	.0045	-.0003	.0026	.0052			
337	413.78	-.02	-5.06	-.0707	.0193	.0044	-.0000	.0006	.0003			
338	413.45	1.03	-5.05	-.0699	.0194	.0043	.0005	-.0014	-.0047			
339	413.43	2.04	-4.05	-.0715	.0195	.0045	.0007	-.0031	-.0094			
340	413.54	4.12	-5.05	-.0724	.0196	.0047	.0018	-.0029	-.0204			
341	413.78	6.19	-4.04	-.0799	.0194	.0042	.0022	-.0104	-.0340			
342	413.60	-.01	-5.06	-.0724	.0193	.0044	-.0002	.0007	-.0004			

BODY AXIS										PRJ 1114	RUN 28	MACH 2.70
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNB	CV			
343	413.56	-4.12	-.75	.0683	.0237	-.0061	-.0020	.0084	.0190			
344	413.47	-2.05	-.74	.0695	.0216	-.0054	-.0008	.0046	.0094			
345	413.45	-1.05	-.74	.0666	.0235	-.0056	-.0003	.0026	.0047			
346	413.58	-.02	-.75	.0658	.0234	-.0047	.0000	.0006	-.0000			
347	413.60	1.02	-.73	.0652	.0235	-.0050	.0006	-.0011	-.0035			
348	413.54	2.03	-.74	.0658	.0235	-.0050	.0012	-.0028	-.0074			
349	413.58	4.08	-.71	.0716	.0238	-.0049	.0024	-.0068	-.0170			
350	413.43	6.20	-.75	.0608	.0236	-.0065	.0024	-.0107	-.0300			
351	413.69	-.01	-.74	.0682	.0235	-.0051	-.0002	.0008	.0001			

BODY AXIS										PRJ 1114	RUN 29	MACH 2.70
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNB	CV			
352	413.84	-4.15	5.32	.2738	.0269	-.0089	.0015	.0072	.0240			
353	413.65	-2.06	5.83	.2770	.0268	-.0096	.0003	.0043	.0125			
354	413.65	-1.05	5.83	.2782	.0269	-.0100	.0003	.0027	.0073			
355	413.36	-.03	5.82	.2761	.0268	-.0107	-.0001	.0010	.0007			
356	413.54	1.02	5.84	.2799	.0269	-.0103	-.0001	-.0008	-.0052			
357	413.71	2.05	5.84	.2804	.0269	-.0097	-.0035	-.0022	-.0135			
358	413.76	4.12	5.84	.2770	.0271	-.0089	-.0013	-.0054	-.0220			
359	413.65	6.18	5.84	.2743	.0274	-.0084	-.0026	-.0083	-.0338			
360	413.52	-.01	5.85	.2827	.0264	-.0096	-.0003	.0010	.0006			

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STABILITY AXIS										PPJ 1114	RUN 31	MACH 2.36
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
411	-1.2827	-.03	-4.09	-.0339	.0264	-.0091	-.0000	.0004	.0009			
412	-.5546	-.03	-3.01	.0138	.0248	-.0021	.0005	.0006	.0015			
413	2.2274	-.03	-1.92	.0353	.0249	-.0073	-.0002	.0008	.0014			
414	3.4808	-.03	-.33	.0915	.0263	-.0135	.0001	.0005	.0012			
415	4.5347	-.03	.28	.1333	.0294	-.0190	-.0001	.0006	.0007			
416	5.3165	-.03	1.43	.1824	.0343	-.0246	.0006	.0004	.0012			
417	5.4416	-.03	2.52	.2179	.0399	-.0288	-.0000	.0006	.0009			
418	5.4774	-.03	3.64	.2596	.0474	-.0319	.0000	.0009	.0015			
419	5.3319	-.03	4.75	.2986	.0560	-.0356	.0006	.0008	.0025			
420	4.8652	-.03	7.00	.3816	.0784	-.0359	.0002	.0004	.0013			
421	4.2456	-.03	9.30	.4634	.1092	-.0311	.0003	.0004	.0015			
422	3.6874	-.03	11.55	.5358	.1452	-.0247	-.0003	.0009	.0012			
423	3.2248	-.03	13.85	.6140	.1904	-.0156	.0001	.0007	.0015			
424	2.9496	-.03	15.15	.6733	.2179	-.0106	-.0004	.0011	.0013			
425	-1.0151	-.03	-4.07	-.0266	.0262	.0057	.0004	.0006	.0013			

STABILITY AXIS										PPJ 1114	RUN 32	MACH 2.36
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV			
426	-1.0865	3.07	-4.08	-.0287	.0264	.0056	.0003	-.0040	-.0134			
427	-.6566	3.07	-3.01	.0162	.0248	-.0017	.0006	-.0046	-.0126			
428	2.2325	3.07	-1.90	.0556	.0249	-.0073	.0007	-.0048	-.0118			
429	3.9797	3.06	-.77	.1034	.0266	-.0136	.0004	-.0046	-.0112			
430	4.7328	3.07	.30	.1389	.0295	-.0193	-.0005	-.0045	-.0119			
431	5.2334	3.07	1.41	.1780	.0340	-.0237	-.0007	-.0044	-.0125			
432	5.5775	3.07	2.54	.2249	.0404	-.0270	-.0009	-.0044	-.0141			
433	5.5419	3.07	3.66	.2655	.0479	-.0313	-.0015	-.0040	-.0154			
434	5.3359	3.08	4.75	.2987	.0560	-.0333	-.0016	-.0038	-.0175			
435	4.8469	3.07	7.02	.3846	.0794	-.0328	-.0030	-.0027	-.0147			
436	4.2466	3.07	9.28	.4608	.1086	-.0291	-.0043	-.0015	-.0145			
437	3.6847	3.07	11.57	.5406	.1466	-.0230	-.0055	-.0004	-.0199			
438	3.2234	3.06	13.84	.6099	.1892	-.0150	-.0065	.0008	-.0200			
439	2.9993	3.06	15.17	.6547	.2186	-.0096	-.0075	.0016	-.0186			
440	-1.1854	3.07	-4.08	-.0313	.0264	.0064	.0003	-.0042	-.0135			

BODY AXIS										PPJ 1114	RUN 33	MACH 2.36
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLB	CNB	CV			
441	447.94	-4.14	-4.08	-.0320	.0242	.0068	.0012	.0066	.0241			
442	447.76	-2.06	-4.07	-.0302	.0241	.0067	.0002	.0040	.0118			
443	447.94	-1.55	-4.08	-.0277	.0241	.0053	.0003	.0027	.0073			
444	447.18	-.03	-4.06	-.0242	.0242	.0058	.0008	.0005	.0019			
445	447.80	1.00	-4.09	-.0321	.0239	.0052	.0003	-.0013	-.0032			
446	447.03	2.03	-4.09	-.0338	.0239	.0063	-.0003	-.0024	-.0081			
447	447.94	3.98	-4.06	-.0296	.0242	.0066	-.0004	-.0053	-.0190			
448	447.51	6.20	-4.07	-.0348	.0245	.0081	-.0015	-.0085	-.0349			
449	447.80	-.01	-4.08	-.0281	.0241	.0051	.0003	.0007	.0019			

BODY AXIS										PPJ 1114	RUN 34	MACH 2.36
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLB	CNB	CV			
450	447.74	-4.13	.29	.1345	.0285	-.0180	.0010	.0079	.0215			
451	447.71	-2.05	.33	.1386	.0286	-.0194	.0007	.0041	.0097			
452	447.73	-1.04	.31	.1397	.0286	-.0185	.0002	.0025	.0054			
453	447.60	-.03	.31	.1378	.0285	-.0178	.0001	.0008	.0012			
454	448.28	1.00	.31	.1382	.0284	-.0183	.0007	-.0015	-.0021			
455	447.97	2.05	.32	.1403	.0285	-.0185	.0004	-.0030	-.0059			
456	447.83	4.12	.31	.1338	.0285	-.0164	.0001	-.0064	-.0171			
457	447.94	6.19	.32	.1373	.0288	-.0157	-.0011	-.0094	-.0306			
458	448.53	-.01	.31	.1347	.0285	-.0186	.0006	.0006	.0018			

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BODY AXIS		PRJ 1114		RUN 35		MACH 2.35			
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLS	CNS	CV
459	448.17	-4.14	7.31	.3855	.0317	-.0333	.0042	.0051	.0292
460	448.11	-2.05	7.34	.3930	.0313	-.0330	.0016	.0027	.0161
461	448.22	-1.05	7.32	.3898	.0311	-.0347	.0312	.0015	.0096
462	448.25	-.03	7.03	.3908	.0310	-.0344	-.0001	.0004	.0015
463	448.30	1.37	7.32	.3889	.0308	-.0344	-.0307	-.0007	-.0043
464	448.02	2.04	7.32	.3885	.0311	-.0342	-.0014	-.0019	-.0119
465	448.05	4.13	7.32	.3864	.0320	-.0323	-.0341	-.0041	-.0258
466	447.71	6.21	7.33	.3882	.0327	-.0314	-.0068	-.0062	-.0386
467	447.44	-.01	7.04	.3932	.0310	-.0333	.0004	.0005	-.0022

STABILITY AXIS		PRJ 1114			RUN 36		MACH 2.70		
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
468	-2.6753	-.01	-5.03	-.0739	.0276	.0103	-.0061	.0007	.0010
469	-1.5437	-.01	-4.00	-.0385	.0249	.0052	-.0001	.0004	.0010
470	.3185	-.01	-2.91	.0034	.0235	.0001	.0002	.0005	.0011
471	1.4792	-.01	-1.93	.0345	.0233	-.0048	.0003	.0005	.0013
472	2.7746	-.01	-.75	.0681	.0245	-.0083	-.0301	.0007	.0015
473	4.1648	-.01	.37	.1138	.0275	-.0125	-.0001	.0008	.0008
474	4.7145	-.01	1.45	.1464	.0310	-.0169	.0003	.0006	.0014
475	5.0486	-.01	2.54	.1822	.0361	-.0207	.0008	.0004	.0014
476	5.1254	-.01	3.63	.2174	.0424	-.0227	.0004	.0005	.0016
477	4.9213	-.01	5.84	.2919	.0593	-.0242	.0002	.0007	.0016
478	4.4525	-.01	8.06	.3653	.0820	-.0234	.0005	.0006	.0023
479	3.9110	-.01	10.28	.4365	.1115	-.0198	.0002	.0007	.0022
480	3.4332	-.01	12.53	.5066	.1476	-.0132	-.0001	.0009	.0018
481	3.0357	-.01	14.76	.5764	.1894	-.0051	.0003	.0009	.0019
482	-2.6153	-.01	-5.04	-.0714	.0275	.0101	.0002	.0005	.0013

STABILITY AXIS		PRJ 1114		RUN 37		MACH 2.70			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
483	-2.6278	3.07	-5.05	-.0725	.0276	.0087	.0019	-.0049	-.0131
484	-1.5464	3.07	-4.00	-.0386	.0250	.0042	.0012	-.0049	-.0134
485	-.3233	3.07	-2.91	.0003	.0235	-.0001	.0017	-.0052	-.0128
486	1.5211	3.06	-1.83	.0356	.0234	-.0047	.0009	-.0048	-.0122
487	2.8838	3.06	-.74	.0705	.0245	-.0087	.0011	-.0049	-.0120
488	3.8514	3.06	.33	.1033	.0288	-.0132	.0007	-.0048	-.0120
489	4.7345	3.06	1.44	.1468	.0310	-.0168	.0008	-.0048	-.0125
490	5.1072	3.06	2.53	.1846	.0361	-.0207	.0008	-.0047	-.0131
491	5.1120	3.07	3.63	.2152	.0421	-.0224	-.0000	-.0047	-.0151
492	4.9019	3.07	5.81	.2870	.0586	-.0255	-.0011	-.0038	-.0167
493	4.4297	3.06	8.04	.3611	.0815	-.0237	-.0028	-.0025	-.0181
494	3.9139	3.06	10.29	.4391	.1122	-.0185	-.0033	-.0016	-.0181
495	3.4342	3.05	12.53	.5085	.1481	-.0124	-.0048	.0000	-.0191
496	3.0337	3.05	14.77	.5729	.1888	-.0055	-.0060	.0000	-.0171
497	-2.7671	3.07	-5.04	-.0711	.0276	.0091	.0017	-.0052	-.0139

BODY AXIS		PRJ 1115		RUN 38		MACH 2.70			
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLS	CNS	CV
498	413.60	-4.13	-5.06	-.0777	.0210	.0085	-.0012	.0000	.0222
499	413.93	-2.05	-5.05	-.0770	.0210	.0088	-.0005	.0044	.0111
500	413.44	-1.04	-5.06	-.0767	.0208	.0045	.0001	.0024	.0065
501	413.45	-.03	-5.05	-.0764	.0208	.0101	.0003	.0005	.0011
502	413.69	1.01	-5.35	-.0752	.0209	.0098	.0003	-.0013	-.0039
503	413.56	2.05	-5.03	-.0705	.0211	.0095	.0007	-.0031	-.0085
504	413.98	4.12	-5.04	-.0759	.0213	.0042	.0314	-.0049	-.0194
505	413.84	6.19	-5.04	-.0793	.0213	.0110	.0015	-.0101	-.0345
506	413.45	-.00	-5.05	-.0788	.0207	.0103	-.0062	.0033	-.0305

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BODY AXIS				PRJ 1114		RUN 39		MACH 2.70		
PT	DYN PPS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CV	
507	413.78	-4.17	-77	.0628	.0253	-.0093	-.0013	.0080	.0203	
508	413.91	-2.05	-74	.0707	.0254	-.0093	-.0006	.0042	.0097	
509	413.95	-1.05	-74	.0724	.0254	-.0090	-.0308	.0023	.0050	
510	413.65	-.61	-72	.0774	.0256	-.0088	.0005	.0004	.0008	
511	413.60	1.00	-76	.0715	.0252	-.0091	.0007	-.0014	-.0028	
512	413.84	2.05	-71	.0775	.0256	-.0085	.0002	-.0030	-.0078	
513	413.80	4.12	-74	.0694	.0255	-.0094	.0013	-.0068	-.0174	
514	413.71	6.18	-75	.0629	.0255	-.0083	.0024	-.0104	-.0281	
515	414.08	-.01	-76	.0635	.0252	-.0085	.0002	.0003	.0004	

BODY AXIS			PRJ 1114		RUN 40				MACH 2.70	
PT	DYN PPS	BETA	ALPHA	CN	CA	CM	CLS	CMS	CV	
516	413.80	-4.11	5.83	.2917	.0251	-.0247	.0017	.0064	.0253	
517	413.67	-2.08	5.83	.2915	.0251	-.0252	.0006	.0040	.0142	
518	413.67	-1.04	5.83	.2904	.0252	-.0245	.0002	.0024	.0074	
519	413.98	-.33	5.83	.2899	.0250	-.0255	-.0002	.0007	.0012	
520	414.06	1.02	5.83	.2895	.0250	-.0251	-.0007	.0007	-.0046	
521	413.95	2.06	5.85	.2877	.0251	-.0259	-.0006	-.0024	-.0110	
522	413.67	4.12	5.85	.2930	.0255	-.0247	-.0012	-.0050	-.0218	
523	413.80	6.18	5.86	.2962	.0301	-.0239	-.0029	-.0076	-.0343	
524	413.85	-.01	5.85	.2960	.0291	-.0253	.0002	.0008	.0021	

STABILITY AXIS				PRJ 1114		RUN 41		MACH 1.60	
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CMS	CV
526	-3.3745	-.01	-5.18	-.1085	.0321	.0341	-.0003	.0005	.0007
527	-1.6548	-.01	-4.04	-.0454	.0276	.0225	-.0000	.0005	.0004
528	-.9443	-.01	-2.91	-.0143	.0253	.0110	-.0001	.0004	.0004
529	3.3874	-.01	-1.71	.0781	.0253	-.0001	-.0003	.0005	.0003
530	4.9460	-.01	-.58	.1349	.0273	-.0094	-.0002	.0005	.0002
531	6.2504	-.01	.54	.1460	.0315	-.0196	-.0003	.0006	.0004
532	6.8358	-.01	1.75	.2562	.0375	-.0284	-.0003	.0004	.0004
533	6.8873	-.01	2.91	.3129	.0454	-.0368	-.0003	.0005	.0007
534	6.6274	-.01	4.09	.3775	.0444	-.0447	-.0004	.0006	.0012
535	5.6463	-.01	6.41	.4848	.0859	-.0551	.0002	.0006	.0008
536	4.6535	-.01	8.78	.5954	.1269	-.0472	-.0001	.0009	.0004
537	4.3821	-.01	9.70	.6372	.1454	-.0604	-.0001	.0010	.0006
538	-3.3567	-.01	-5.18	-.1073	.0320	.0341	-.0006	.0006	.0007

STABILITY AXIS			PRJ 1114			RUN 42			MACH 1.60			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CMS	CV			
539	-3.4289	3.07	-5.19	-.1105	.0322	.0334	-.0038	-.0021	-.0189			
540	-1.6493	3.04	-4.07	-.0461	.0276	.0211	-.0050	-.0013	-.0198			
541	-.6744	3.05	-2.90	-.0174	.0255	.0088	-.0061	.0007	-.0189			
542	3.3878	3.04	-1.75	.0772	.0254	-.0628	-.0071	-.0003	-.0191			
543	4.9417	3.06	-.40	.1349	.0275	-.0124	-.0078	-.0001	-.0197			
544	6.2562	3.07	.58	.1460	.0318	-.0217	-.0082	-.0004	-.0206			
545	6.7546	3.07	1.73	.2524	.0373	-.0294	-.0085	-.0003	-.0218			
546	6.8096	3.08	2.88	.3058	.0449	-.0374	-.0084	-.0003	-.0220			
547	6.5543	3.08	4.05	.3644	.0556	-.0434	-.0091	.0006	-.0238			
548	5.5623	3.08	6.41	.4799	.0862	-.0521	-.0115	.0018	-.0263			
549	4.6642	3.07	8.77	.5890	.1262	-.0572	-.0121	.0032	-.0260			
550	4.3444	3.07	9.70	.6328	.1440	-.0577	-.0120	.0037	-.0259			
551	-3.3321	3.07	-5.17	-.1064	.0319	.0332	-.0039	-.0021	-.0191			

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BODY AXIS		PRJ 1114		RUN 43		MACH 1.60			
PY	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CV
552	480.29	-4.12	-5.10	-.1072	.0226	.0326	.0352	.0034	.0263
553	480.25	-2.05	-5.10	-.1103	.0222	.0345	.0019	.0023	.0124
554	480.67	-1.04	-5.10	-.1110	.0220	.0345	.0028	.0015	.0068
555	480.55	-.01	-5.10	-.1126	.0219	.0341	-.0005	.0005	.0004
556	480.67	1.22	-5.10	-.1106	.0219	.0340	-.0017	.0001	-.0055
557	480.63	2.05	-5.10	-.1107	.0219	.0337	-.0031	-.0007	-.0110
558	480.55	4.12	-5.10	-.1087	.0223	.0319	-.0054	-.0025	-.0259
559	480.50	6.21	-5.10	-.1107	.0230	.0267	-.0085	-.0035	-.0421
560	480.80	-.01	-5.10	-.1104	.0220	.0345	-.0005	.0007	.0007

BODY AXIS		PRJ 1114		RUN 44		MACH 1.60			
PY	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CV
561	480.67	-4.11	-.56	.1370	.0292	-.0136	.0046	.0015	.0270
562	481.01	-2.04	-.57	.1383	.0288	-.0100	.0051	.0010	.0130
563	480.86	-1.03	-.56	.1396	.0286	-.0102	.0023	.0006	.0018
564	480.76	-.01	-.57	.1399	.0284	-.0099	.0006	.0007	.0002
565	480.58	1.02	-.56	.1377	.0285	-.0102	-.0030	.0004	-.0044
566	480.95	2.03	-.57	.1356	.0286	-.0109	-.0053	.0002	-.0127
567	481.01	4.11	-.57	.1381	.0292	-.0142	-.0099	-.0005	-.0267
568	481.05	6.19	-.60	.1342	.0297	-.0181	-.0139	-.0014	-.0411
569	480.93	-.31	-.57	.1364	.0286	-.0094	-.0043	.0005	.0006

BODY AXIS		PRJ 1114		RUN 45		MACH 1.60			
PY	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CV
570	481.05	-4.17	0.42	.4839	.0331	-.0465	.0149	.0007	.0402
571	481.09	-2.07	0.43	.4921	.0314	-.0370	.0069	.0012	.0192
572	481.18	-1.05	0.43	.4911	.0311	-.0336	.0035	.0011	.0093
573	481.31	-.03	0.42	.4904	.0308	-.0346	.0002	.0008	.0018
574	481.22	1.04	0.41	.4890	.0306	-.0351	-.0037	.0003	-.0062
575	481.39	2.04	0.42	.4902	.0307	-.0352	-.0076	.0004	-.0155
576	481.18	4.12	0.41	.4811	.0320	-.0491	-.0155	.0005	-.0350
577	481.31	-.21	0.42	.4913	.0307	-.0349	-.0001	.0007	.0011

STABILITY AXIS		PRJ 1114		RUN 46		MACH 2.00			
PY	(70)	BETA	ALPHA	CL	CD	CM	CLS	CMS	CV
578	-2.0706	-.01	-4.67	-.0367	.0274	.0198	-.0303	.0006	.0010
579	-.2312	-.01	-3.56	-.0058	.0249	.0043	-.0001	.0005	.0006
580	1.9217	-.01	-2.44	.0464	.0241	-.0037	-.0000	.0004	.0007
581	3.8114	-.01	-1.32	.0961	.0252	-.0119	-.0002	.0005	.0003
582	5.1131	-.01	-.19	.1440	.0282	-.0194	-.0002	.0006	.0001
583	4.8172	-.31	.04	.1674	.0327	-.0264	-.0003	.0008	.0004
584	6.1174	-.01	2.07	.2380	.0389	-.0324	-.0003	.0007	.0005
585	6.1042	-.01	3.20	.2845	.0466	-.0383	-.0000	.0005	.0008
586	5.9044	-.01	4.33	.3289	.0537	-.0431	-.0002	.0006	.0013
587	5.2325	-.01	6.61	.4180	.0799	-.0443	-.0003	.0010	.0011
588	4.4823	-.01	8.93	.5042	.1129	-.0420	-.0003	.0011	.0010
589	3.8463	-.01	11.25	.5485	.1535	-.0348	-.0003	.0011	.0011
590	3.5294	-.01	12.68	.6373	.1806	-.0282	-.0004	.0011	.0014
591	-2.0780	-.01	-4.67	-.0369	.0276	.0162	-.0002	.0005	.0006



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STABILITY AXIS										MACH 2.00	
PRJ 1114										RUN 47	
PT	LD	BEYA	ALPHA	CL	CB	CA	CLS	CMS	CV		
592	-2.2102	3.07	-4.68	-.0620	.0281	.0171	-.0030	-.0010	-.0201		
591	-4.949	3.07	-3.60	-.0119	.0234	.0084	-.0036	-.0019	-.0188		
594	1.5722	3.06	-2.46	-.0384	.0244	-.0005	-.0038	-.0020	-.0178		
595	3.5291	3.06	-1.35	-.0895	.0253	-.0091	-.0034	-.0023	-.0158		
596	4.9029	3.07	-.20	-.1378	.0281	-.0169	-.0035	-.0024	-.0197		
597	5.1808	3.07	.92	-.1846	.0375	-.0241	-.0037	-.0024	-.0180		
598	6.4014	3.07	2.07	-.2425	.0307	-.0295	-.0039	-.0025	-.0170		
599	8.0034	3.07	3.18	-.2765	.0461	-.0350	-.0043	-.0019	-.0191		
600	5.8272	3.05	4.33	-.3242	.0554	-.0384	-.0047	-.0013	-.0212		
601	5.1850	3.05	6.42	-.4145	.0749	-.0421	-.0053	-.0009	-.0211		
602	4.4636	3.07	8.92	-.5033	.1128	-.0410	-.0064	-.0000	-.0200		
603	3.8306	3.06	11.75	-.5895	.1538	-.0341	-.0080	.0012	-.0204		
604	3.5217	3.06	12.60	-.6364	.1807	-.0291	-.0086	.0020	-.0202		
605	-2.2359	3.07	-6.68	-.0621	.0282	.0175	-.0038	-.0018	-.0202		

STOV AXIS										MACH 2.00	
PRJ 1114										RUN 48	
PT	BYN PMS	BEYA	ALPHA	CA	CB	CA	CLS	CMS	CV		
606	474.87	-4.15	-6.68	-.5672	.0233	.0177	.0041	.0042	.0269		
607	474.80	-2.05	-6.67	-.0608	.0230	.0168	.0026	.0017	.0147		
608	474.75	-1.05	-6.57	-.0516	.0227	.0172	.0014	.0009	.0042		
609	474.76	-1.03	-6.67	-.0610	.0226	.0166	-.0001	.0005	.0037		
610	474.87	1.02	-6.67	-.0623	.0226	.0167	-.0010	.0002	-.0065		
611	474.66	2.06	-6.67	-.5621	.0228	.0169	.0030	-.0004	-.0136		
612	474.76	4.15	-6.68	-.0609	.0232	.0170	.0045	-.0029	-.0263		
613	474.87	6.26	-6.69	-.0710	.0238	.0161	-.0054	-.0006	-.0391		
614	474.87	-.01	-6.67	-.0611	.0226	.0171	-.0000	.0005	.0038		

STOV AXIS										MACH 2.00	
PRJ 1114										RUN 49	
PT	BYN PMS	BEYA	ALPHA	CA	CB	CA	CLS	CMS	CV		
615	474.87	-6.15	-.23	-.1307	.0286	-.0147	.0039	.0054	.0226		
616	474.76	-2.25	-.23	-.1375	.0286	-.0148	.0017	.0030	.0107		
617	474.68	-1.06	-.20	-.1405	.0267	-.0182	.0008	.0018	.0051		
618	474.80	-.03	-.19	-.1421	.0267	-.0189	-.0034	.0009	.0002		
619	474.87	1.00	-.19	-.1410	.0286	-.0186	-.0015	.0002	-.0049		
620	474.83	2.03	-.19	-.1396	.0286	-.0177	-.0026	-.0012	-.0102		
621	474.76	4.12	-.21	-.1323	.0288	-.0158	-.0045	-.0036	-.0218		
622	475.26	6.19	-.24	-.1225	.0289	-.0142	-.0067	-.0060	-.0354		
623	475.01	-.01	-.19	-.1418	.0287	-.0188	-.0003	.0007	.0002		

STOV AXIS										MACH 2.00	
PRJ 1114										RUN 50	
PT	BYN PMS	BEYA	ALPHA	CA	CB	CA	CLS	CMS	CV		
624	475.01	-4.17	6.61	.4199	.0325	-.0414	.0064	.0038	.0328		
625	475.05	-2.04	6.62	.4236	.0317	-.0439	.0031	.0024	.0167		
626	475.12	-1.37	6.61	.4242	.0319	-.0457	.0012	.0019	.0085		
627	475.30	-.03	6.61	.4240	.0314	-.0466	-.0004	.0009	.0000		
628	475.05	1.02	6.61	.4228	.0312	-.0460	-.0019	.0001	-.0069		
629	475.01	2.04	6.61	.4219	.0313	-.0447	-.0036	-.0006	-.0127		
630	475.16	4.11	6.61	.4181	.0323	-.0422	-.0049	-.0019	-.0294		
631	475.16	6.27	6.60	.4104	.0337	-.0389	-.0111	-.0036	-.0452		
632	475.16	-.01	6.61	.4227	.0314	-.0447	-.0006	.0018	.0000		

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STABILITY AXIS									
PRJ 1110									
RUN 1									
MACH 2.30									
PT	L/D	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV
11	-5.2982	-0.00	-5.37	-0.2067	.0290	.0278	.0014	-.0004	.0044
12	-6.4071	-0.01	-3.15	-.1202	.0268	.0138	.0007	-.0007	.0035
13	-1.0067	-0.01	-.90	-.0232	.0213	-.0013	.0011	-.0007	.0030
14	1.1673	-0.00	.22	.0240	.0213	-.0090	.0012	-.0008	.0039
15	2.6176	-0.00	1.24	.0505	.0223	-.0170	.0004	-.0008	.0032
16	4.3922	-0.07	2.42	.1999	.0251	-.0245	.0004	-.0006	.0029
17	5.0944	-0.00	3.51	.1452	.0200	-.0315	.0009	-.0004	.0018
18	5.4068	-0.00	4.66	.1009	.0248	-.0308	.0002	-.0004	.0022
19	5.5270	-0.00	5.74	.2314	.0419	-.0449	-.0001	-.0005	.0021
20	5.3850	-0.07	6.83	.2722	.0505	-.0524	.0002	-.0005	.0020
21	5.1920	-0.27	7.94	.3164	.0614	-.0584	.0001	-.0004	.0020
22	4.8433	-0.07	9.06	.3412	.0743	-.0646	.0006	-.0007	.0024
23	4.5513	.00	10.18	.3948	.0878	-.0692	.0003	-.0004	.0003
24	3.9669	.00	12.42	.4753	.1196	-.0742	.0009	-.0007	.0012
25	3.4640	.00	14.66	.5534	.1580	-.0796	.0010	-.0005	.0004
26	3.0768	.00	16.92	.6289	.2044	-.0828	.0008	-.0006	.0006
27	2.8970	.00	18.08	.6713	.2317	-.0856	.0017	-.0008	.0009
28	2.7184	-.00	1.35	.0609	.0224	-.0171	.0005	-.0009	.0039

STABILITY AXIS									
PRJ 1115									
RUN 2									
MACH 2.30									
PT	L/D	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV
29	-5.7620	3.01	-5.41	-.2160	.0404	.0266	-.0008	.0054	-.0241
30	-6.7944	3.01	-1.11	-.1142	.0266	.0139	-.0009	.0048	-.0202
31	-1.0691	3.01	-.89	-.0274	.0216	-.0004	.0002	.0047	-.0204
32	1.1839	3.01	.73	.0251	.0212	-.0086	-.0001	.0048	-.0217
33	3.0942	3.01	1.38	.0495	.0229	-.0164	-.0006	.0048	-.0210
34	4.1497	3.01	2.43	.1081	.0240	-.0240	-.0012	.0048	-.0219
35	5.2634	3.02	3.54	.1530	.0292	-.0317	-.0009	.0048	-.0232
36	5.4480	3.02	4.61	.1466	.0342	-.0370	-.0015	.0048	-.0230
37	5.6218	3.03	5.74	.2378	.0423	-.0444	-.0016	.0045	-.0247
38	5.4047	3.02	6.85	.2779	.0507	-.0504	-.0017	.0039	-.0221
39	5.1764	3.03	7.98	.3234	.0625	-.0569	-.0024	.0036	-.0220
40	4.8433	3.03	9.07	.3577	.0734	-.0627	-.0024	.0031	-.0217
41	4.5338	3.03	10.19	.3950	.0871	-.0666	-.0031	.0035	-.0208
42	3.9643	3.03	12.39	.4645	.1172	-.0731	-.0037	.0036	-.0209
43	3.4671	3.03	14.67	.5394	.1593	-.0784	-.0044	.0029	-.0182
44	3.0723	3.03	16.91	.6249	.2034	-.0835	-.0051	.0033	-.0184
45	2.9324	3.03	18.70	.6640	.2294	-.0859	-.0060	.0033	-.0175
46	2.7722	3.03	1.36	.0617	.0223	-.0165	-.0009	.0048	-.0220

BODY AXIS									
PRJ 1116									
RUN 3									
MACH 2.30									
PT	DYN PRS	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV
47	448.77	-0.04	1.35	.0501	.0212	-.0156	.0026	-.0070	.0359
48	449.02	-2.02	1.91	.0261	.0200	-.0171	.0013	-.0044	.0201
49	448.94	-1.01	1.37	.0450	.0200	-.0167	.0000	-.0022	.0096
50	449.71	-.02	1.41	.0748	.0207	-.0160	.0006	-.0006	.0025
51	448.91	.99	1.38	.0441	.0207	-.0160	.0001	.0013	-.0047
52	448.90	2.09	1.36	.0599	.0200	-.0162	.0000	.0031	-.0142
53	448.94	4.35	1.39	.0664	.0200	-.0166	-.0015	.0004	-.0293
54	448.74	6.94	1.35	.0402	.0213	-.0151	-.0027	.0092	-.0400
55	448.65	-.00	1.34	.0633	.0209	-.0170	.0007	-.0007	.0029

BODY AXIS									
PRJ 1116									
RUN 4									
MACH 2.30									
PT	DYN PRS	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV
56	448.37	-0.05	5.72	.2390	.0180	-.0434	.0037	-.0067	.0345
57	448.67	-2.01	5.73	.2350	.0184	-.0450	.0025	-.0070	.0202
58	447.91	-1.04	5.73	.2360	.0182	-.0448	.0015	-.0010	.0104
59	448.14	-.02	5.74	.2367	.0183	-.0445	.0000	-.0004	.0026
60	448.95	1.07	5.75	.2425	.0181	-.0451	-.0004	.0011	-.0041
61	448.74	2.07	5.74	.2383	.0181	-.0442	-.0011	.0025	-.0134
62	448.67	4.04	5.75	.2364	.0186	-.0438	-.0022	.0057	-.0321
63	448.10	6.00	5.73	.2254	.0180	-.0401	-.0044	.0077	-.0479
64	448.18	-.08	5.74	.2364	.0182	-.0456	.0005	-.0005	.0012

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SCOV AXIS										PRJ 1116		RUN 3		MACH 2.30	
PT	BYN POS	BETA	ALPHA	CH	CA	CH	CLS	CHS	CV						
65	448.52	-1.76	12.42	.4073	.0140	-.0720	.0076	-.0035	.0299						
66	448.69	-2.02	12.43	.4207	.0140	-.0750	.0033	-.0024	.0160						
67	448.76	-1.03	12.44	.4920	.0143	-.0747	.0030	-.0016	.0080						
68	448.88	-.02	12.44	.4990	.0143	-.0743	.0003	-.0004	.0007						
69	448.71	1.01	12.43	.4072	.0144	-.0741	-.0011	.0010	-.0030						
70	448.05	2.03	12.45	.4440	.0143	-.0747	-.0028	.0019	-.0130						
71	448.22	4.07	12.41	.4883	.0145	-.0717	-.0005	.0030	-.0281						
72	448.79	0.11	12.42	.4000	.0147	-.0646	-.0002	.0017	-.0421						
73	448.90	-.07	12.42	.4050	.0144	-.0746	.0000	-.0005	.0021						
STABILITY AXIS										PRJ 1116		RUN 4		MACH 2.70	
PT	L/D	BETA	ALPHA	CL	CO	CH	CLS	CHS	CV						
74	-5.0123	-.07	-6.44	-.2195	.0430	.0187	.0000	-.0007	.0033						
75	-4.7441	-.07	-6.25	-.1287	.0792	.0004	.0003	-.0006	.0034						
76	-3.2180	-.07	-2.08	-.0600	.0216	.0209	.0004	-.0007	.0032						
77	-1.5736	-.07	-.97	-.0270	.0147	-.0047	.0007	-.0006	.0036						
78	.9791	.00	.17	.0000	.0192	-.0111	.0007	-.0004	.0017						
79	2.4022	-.03	1.77	.0501	.0201	-.0177	.0000	-.0007	.0032						
80	3.8761	-.07	2.70	.0044	.0221	-.0271	.0000	-.0003	.0013						
81	4.7920	-.07	3.38	.1222	.0255	-.0200	.0001	-.0001	.0014						
82	5.2044	-.00	4.47	.1611	.0304	-.0350	.0004	-.0004	.0018						
83	5.4174	-.07	4.44	.1908	.0367	-.0407	.0005	-.0004	.0025						
84	5.3018	-.07	4.64	.2370	.0439	-.0468	.0001	-.0003	.0016						
85	5.1091	-.07	7.75	.2710	.0552	-.0522	.0004	-.0001	.0012						
86	4.8458	-.07	8.83	.3081	.0636	-.0572	.0005	-.0001	.0006						
87	4.7770	-.07	11.07	.3704	.0748	-.0647	.0000	-.0007	.0004						
88	4.7401	.00	13.24	.4533	.1207	-.0702	.0004	-.0003	.0004						
89	5.3171	.00	15.41	.5169	.1550	-.0755	.0000	-.0005	.0006						
90	2.9516	.00	17.67	.5802	.1993	-.0815	.0012	-.0005	.0002						
91	2.6461	.00	19.87	.6429	.2464	-.0853	.0003	-.0004	.0007						
92	.7224	-.07	.10	.0130	.0142	-.0117	.0010	-.0006	.0027						
STABILITY AXIS										PRJ 1116		RUN 7		MACH 2.70	
PT	L/D	BETA	ALPHA	CL	CO	CH	CLS	CHS	CV						
93	-6.9972	3.01	-6.44	-.2181	.0436	.0199	-.0006	.0040	-.0235						
94	-4.7897	3.02	-6.25	-.1491	.0292	.0187	-.0006	.0045	-.0225						
95	-2.9767	3.01	-2.05	-.0623	.0212	-.0004	-.0007	.0045	-.0222						
96	-1.3911	3.01	-.07	-.0273	.0190	-.0049	.0001	.0044	-.0218						
97	.7724	3.02	.11	.0111	.0192	-.0116	.0007	.0042	-.0215						
98	2.9664	3.04	1.70	.0465	.0202	-.0176	-.0000	.0043	-.0230						
99	4.1940	3.02	2.33	.0944	.0270	-.0237	-.0007	.0039	-.0212						
100	4.9444	3.02	3.41	.1307	.0261	-.0246	-.0002	.0038	-.0216						
101	5.2537	3.02	4.47	.1601	.0305	-.0353	-.0004	.0017	-.0223						
102	5.4567	3.02	5.49	.1935	.0377	-.0405	-.0004	.0033	-.0211						
103	5.3099	3.03	6.68	.2359	.0444	-.0491	-.0011	.0029	-.0212						
104	5.1019	3.07	7.75	.2770	.0537	-.0516	-.0012	.0023	-.0205						
105	4.8165	3.03	8.82	.3067	.0633	-.0599	-.0018	.0022	-.0203						
106	4.7479	3.07	11.01	.3779	.0805	-.0676	-.0024	.0021	-.0199						
107	3.7536	3.03	13.21	.4657	.1187	-.0702	-.0034	.0019	-.0191						
108	3.3183	3.03	15.41	.5170	.1550	-.0750	-.0040	.0019	-.0173						
109	2.9576	3.02	17.67	.5804	.1997	-.0809	-.0046	.0022	-.0176						
110	2.6476	3.03	19.84	.6505	.2487	-.0850	-.0052	.0029	-.0182						
111	.9730	3.02	.10	.0102	.0194	-.0117	-.0002	.0043	-.0227						
SCOV AXIS										PRJ 1116		RUN 8		MACH 2.70	
PT	BYN POS	BETA	ALPHA	CH	CA	CH	CLS	CHS	CV						
112	416.04	-4.05	.17	.0114	.0100	-.0120	.0005	-.0002	.0341						
113	416.92	-2.01	.10	.0170	.0103	-.0118	.0001	-.0017	.0170						
114	416.11	-1.01	.10	.0159	.0102	-.0118	.0002	-.0022	.0106						
115	416.12	-.07	.17	.0177	.0102	-.0117	.0000	-.0006	.0070						
116	416.09	1.01	.17	.0172	.0101	-.0116	.0007	.0010	-.0151						
117	417.04	2.03	.16	.0100	.0102	-.0113	.0001	.0070	-.0135						
118	417.00	4.04	.19	.0199	.0106	-.0118	-.0003	.0056	-.0302						
119	416.04	6.02	.19	.0193	.0103	-.0116	-.0007	.0004	-.0440						
120	417.75	-.00	.17	.0110	.0101	-.0113	.0000	-.0006	.0070						

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BODY AXIS PRJ 1116 SUM 9 MACH 2.70

PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNS	CV
121	413.80	-4.05	4.48	.1607	.0183	-.0350	.0019	-.0044	.0319
122	414.00	-2.01	5.58	.1610	.0180	-.0361	.0019	-.0033	.0188
123	414.19	-1.03	4.49	.1622	.0179	-.0355	.0009	-.0023	.0111
124	414.02	-.00	4.50	.1629	.0177	-.0358	.0011	-.0004	.0023
125	413.99	.99	4.51	.1640	.0177	-.0353	-.0007	.0012	-.0062
126	413.78	2.03	4.51	.1637	.0178	-.0351	-.0003	.0027	-.0146
127	414.22	4.34	4.51	.1618	.0181	-.0348	-.0008	.0041	-.0288
128	414.06	8.19	4.51	.1625	.0184	-.0341	-.0020	.0045	-.0429
129	414.11	-.00	4.51	.1677	.0176	-.0355	.0007	-.0005	.0024

BODY AXIS PRJ 1116 SUM 10 MACH 2.70

PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNS	CV
135	413.95	-4.06	11.02	.1650	.0151	-.0639	.0053	-.0020	.0278
136	414.25	-2.02	11.02	.1645	.0147	-.0644	.0028	-.0013	.0145
137	414.13	-1.07	11.02	.1648	.0147	-.0644	.0015	-.0007	.0077
138	414.00	-.02	11.04	.1608	.0145	-.0643	.0003	-.0000	.0005
139	414.22	1.00	11.05	.1637	.0145	-.0644	-.0009	.0003	-.0062
139	414.06	2.03	11.04	.1602	.0146	-.0644	-.0011	.0012	-.0127
136	414.06	4.07	11.03	.1666	.0148	-.0633	-.0039	.0019	-.0269
137	413.84	8.11	11.04	.1666	.0151	-.0616	-.0061	.0015	-.0387
138	414.00	-.00	11.04	.1608	.0145	-.0635	.0009	-.0001	.0004

STABILITY AXIS PRJ 1116 SUM 11 MACH 1.60

PT	L/D	BETA	ALPHA	CL	CD	CH	CLS	CNS	CV
140	-5.6938	-.00	-6.90	-.3489	.0613	.0683	.0004	-.0010	.0030
141	-6.0942	-.00	-4.56	-.2332	.0383	.0345	.0005	-.0009	.0729
142	-4.1020	.00	-2.24	-.1064	.0259	.0275	.0004	-.0010	.0026
143	-1.9942	.00	-1.09	-.0471	.0234	.0143	.0003	-.0009	.0021
144	.6193	.00	.11	.0141	.0228	.0011	.0004	-.0009	.0023
145	2.8167	.00	1.21	.0487	.0236	-.0101	.0003	-.0008	.0020
146	5.0594	.00	2.37	.1321	.0261	-.0235	.0003	-.0006	.0016
147	6.1706	.00	3.52	.1933	.0313	-.0366	.0004	-.0008	.0017
148	6.4356	.00	4.69	.2558	.0397	-.0468	.0002	-.0008	.0017
149	6.2167	.00	5.85	.3153	.0507	-.0553	.0004	-.0007	.0010
150	5.8559	.00	7.00	.3740	.0639	-.0660	.0008	-.0009	.0011
151	5.4573	.01	8.19	.4366	.0800	-.0781	.0005	-.0011	.0009
152	5.0606	.01	9.34	.4963	.0981	-.0893	.0006	-.0012	.0009
153	4.3346	.01	11.68	.6140	.1617	-.1087	.0006	-.0008	-.0002
154	4.1173	.01	12.47	.6506	.1581	-.1124	.0007	-.0006	-.0005
155	.6629	.00	.11	.0152	.0229	.0012	.0003	-.0007	.0015

STABILITY AXIS PRJ 1116 SUM 12 MACH 1.60

PT	L/D	BETA	ALPHA	CL	CD	CH	CLS	CNS	CV
156	-5.6931	3.00	-6.91	-.3494	.0614	.0676	.0029	.0087	-.0270
157	-6.0455	3.00	-4.57	-.2327	.0385	.0340	.0022	.0083	-.0262
158	-4.1648	3.00	-2.24	-.1082	.0260	.0265	.0002	.0080	-.0258
159	-1.9442	3.00	-1.09	-.0467	.0235	.0137	-.0012	.0077	-.0253
160	.5585	3.00	.11	.0127	.0227	.0009	-.0024	.0075	-.0253
161	3.0252	3.00	1.21	.0709	.0235	-.0117	-.0039	.0072	-.0247
162	4.0743	3.01	2.34	.1297	.0261	-.0259	-.0055	.0073	-.0253
163	6.1457	3.01	3.51	.1938	.0315	-.0347	-.0070	.0076	-.0265
164	6.4237	3.01	4.67	.2553	.0397	-.0515	-.0080	.0075	-.0261
165	6.2553	3.01	5.84	.3152	.0504	-.0601	-.0084	.0078	-.0268
166	5.8796	3.01	7.01	.3748	.0637	-.0679	-.0082	.0082	-.0273
167	5.4640	3.01	8.18	.4369	.0800	-.0787	-.0082	.0085	-.0280
168	5.0537	3.01	9.34	.4957	.0980	-.0902	-.0081	.0094	-.0299
169	4.3243	3.01	11.68	.6138	.1619	-.1095	-.0083	.0092	-.0289
170	4.1109	3.02	12.46	.6502	.1582	-.1131	-.0087	.0090	-.0285
171	.7122	3.00	.12	.0162	.0227	.0005	-.0025	.0075	-.0255

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OF POOR QUALITY

BODY AXIS			PRJ 111A			RUN 13			MACH 1.60	
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY	
172	481.73	-4.01	.12	.0158	.0228	.0006	.0044	-.0118	.0386	
173	481.98	-1.99	.12	.0153	.0228	.0014	.0020	-.0063	.0202	
174	481.90	-1.02	.11	.0143	.0228	.0013	.0012	-.0036	.0114	
175	481.73	-.02	.10	.0122	.0228	.0018	.0002	-.0008	.0021	
176	481.95	1.01	.11	.0134	.0228	.0013	-.0005	.0019	-.0071	
177	482.02	2.00	.11	.0141	.0227	.0011	-.0017	.0046	.0157	
178	481.68	4.02	.13	.0175	.0226	-.0001	-.0036	.0102	-.0347	
179	481.94	6.04	.14	.0192	.0229	-.0020	-.0059	.0155	-.0599	
180	482.32	.00	.12	.0150	.0228	.0017	.0004	-.0008	.0020	

BODY AXIS			PRJ 111A		RUN 14			MACH 1.60	
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY
181	481.64	-4.07	4.47	.2564	.0196	-.0476	.0107	-.0107	.0385
182	481.35	-2.00	4.68	.2579	.0189	-.0469	.0070	-.0054	.0190
183	481.39	-1.07	4.69	.2601	.0186	-.0487	.0042	-.0031	.0105
184	481.35	.00	4.69	.2567	.0186	-.0462	.0003	-.0006	.0010
185	481.18	1.07	4.69	.2586	.0185	-.0477	.0028	.0018	.0075
186	481.26	2.00	4.69	.2610	.0185	-.0513	.0045	.0041	.0165
187	481.39	4.04	4.69	.2600	.0190	-.0515	.0103	.0092	.0358
188	481.52	6.08	4.67	.2562	.0192	-.0517	.0136	.0139	.0544
189	481.52	.00	4.70	.2589	.0186	-.0468	.0007	-.0006	.0012

BODY AXIS		PRJ 111A			RUN 15			MACH 1.60	
PT	DYN.PRS.	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY
191	481.43	-4.02	11.67	.6240	.0147	-.1070	.0151	-.0109	.0381
191	481.47	-1.99	11.68	.6285	.0144	-.1083	.0086	-.0063	.0196
192	481.68	-1.00	11.68	.6289	.0143	-.1077	.0046	-.0039	.0107
193	481.85	.01	11.68	.6289	.0143	-.1080	.0009	-.0005	.0001
194	481.77	.99	11.68	.6302	.0143	-.1087	.0028	.0023	.0091
195	481.81	2.02	11.68	.6297	.0143	-.1092	.0065	.0050	.0190
196	481.56	4.04	11.67	.6256	.0147	-.1082	.0133	.0097	.0383
197	481.01	5.09	11.66	.6236	.0157	-.1079	.0144	.0116	.0471
198	481.09	.01	11.67	.6287	.0142	-.1079	.0008	-.0005	.0006

STABILITY AXIS		PRJ 111A		RUN 16		MACH 2.00			
PT	L/D	BETA	ALPHA	CL	CO	CM	CLS	CNS	CY
199	-5.5869	-.00	-6.18	-.2669	.0478	.0429	.0303	-.0007	.0030
202	-5.5186	-.02	-3.88	-.2142	.0309	.0377	.0003	-.0008	.0028
201	-2.7009	-.00	-1.63	-.0611	.0226	.0164	.0004	-.0008	.0025
202	-.4029	-.00	-.44	-.0086	.0214	.0047	.0005	-.0007	.0024
203	2.0567	-.00	.69	.0447	.0217	-.0073	.0003	-.0008	.0027
204	3.9421	-.00	1.75	.0931	.0236	-.0177	.0001	-.0007	.0021
205	5.3144	-.00	2.90	.1454	.0274	-.0266	.0002	-.0005	.0018
206	5.4996	.00	4.02	.1917	.0329	-.0373	.0003	-.0006	.0016
207	5.4994	.03	5.16	.2426	.0404	-.0448	.0003	-.0006	.0014
208	5.5500	.00	6.28	.2919	.0499	-.0547	.0000	-.0006	.0015
209	5.5591	.00	7.51	.3383	.0613	-.0615	.0003	-.0009	.0017
210	5.1642	.00	8.55	.3869	.0749	-.0690	.0004	-.0007	.0010
211	4.8122	.00	9.67	.4334	.0901	-.0761	.0003	-.0005	.0006
212	4.1580	.00	11.92	.5217	.1255	-.0846	.0002	-.0004	.0000
213	3.6261	.00	14.23	.6059	.1671	-.0899	.0002	-.0004	-.0001
214	3.3793	.00	15.44	.6504	.1925	-.0938	.0003	-.0003	-.0000
215	2.2804	-.00	.69	.0498	.0238	-.0085	.0002	-.0007	.0024

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STABILITY AXIS										
PRJ 111A										
RUN 17										
MACH 2.00										
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	
216	-5.4877	3.03	-6.16	-.2600	.0474	.0482	.0005	.0067	-.0252	
217	-5.1862	3.03	-3.88	-.1599	.0308	.0331	-.0016	.0061	-.0237	
218	-2.4264	3.03	-1.62	-.0554	.0228	.0127	-.0021	.0036	-.0224	
219	-.3226	3.03	-.90	-.0070	.0217	.0031	-.0022	.0034	-.0223	
220	2.0753	3.03	.69	.0457	.0220	-.0072	-.0028	.0054	-.0228	
221	3.9440	3.03	1.76	.0936	.0237	-.0177	-.0029	.0055	-.0232	
222	5.2435	3.03	2.89	.1450	.0274	-.0286	-.0029	.0054	-.0233	
223	5.8732	3.04	4.02	.1938	.0330	-.0370	-.0034	.0053	-.0231	
224	5.9564	3.04	5.15	.2416	.0406	-.0434	-.0042	.0053	-.0243	
225	5.7770	3.04	6.27	.2875	.0498	-.0516	-.0044	.0057	-.0250	
226	5.4992	3.04	7.41	.3376	.0615	-.0600	-.0048	.0058	-.0244	
227	5.1605	3.04	8.55	.3861	.0749	-.0677	-.0051	.0050	-.0234	
228	4.8001	3.05	9.68	.4318	.0900	-.0735	-.0052	.0044	-.0223	
229	4.4189	3.05	11.95	.5200	.1250	-.0830	-.0057	.0037	-.0203	
230	3.6206	3.05	14.23	.6032	.1666	-.0886	-.0066	.0037	-.0189	
231	3.3766	3.05	15.44	.6481	.1919	-.0912	-.0066	.0045	-.0190	
232	2.0176	3.03	.69	.0444	.0220	-.0072	-.0028	.0054	-.0228	

BODY AXIS										
PRJ 111A										
RUN 18										
MACH 2.00										
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNR	CY	
233	475.98	-4.05	.68	.0420	.0220	-.0058	.0042	-.0090	.0364	
234	475.12	-2.00	.69	.0449	.0215	-.0068	.0027	-.0049	.0188	
235	475.26	-1.03	.69	.0474	.0214	-.0078	.0014	-.0029	.0104	
236	475.26	-.02	.69	.0480	.0213	-.0084	.0001	-.0008	.0026	
237	475.12	1.01	.69	.0466	.0213	-.0079	-.0010	.0014	-.0059	
238	475.26	2.02	.69	.0461	.0214	-.0074	-.0020	.0034	-.0144	
239	475.05	4.04	.69	.0442	.0217	-.0068	-.0040	.0075	-.0313	
240	475.23	6.07	.69	.0396	.0221	-.0059	-.0049	.0114	-.0498	
241	475.23	-.00	.69	.0472	.0214	-.0080	-.0001	-.0008	.0025	

BODY AXIS										
PRJ 111A										
RUN 19										
MACH 2.00										
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNR	CY	
242	475.37	-4.05	5.14	.2386	.0195	-.0411	.0066	-.0080	.0371	
243	475.23	-2.00	5.15	.2434	.0190	-.0450	.0039	-.0042	.0189	
244	475.30	-1.03	5.16	.2468	.0187	-.0461	.0016	-.0026	.0102	
245	475.37	-.02	5.16	.2471	.0186	-.0452	.0002	-.0007	.0020	
246	475.30	1.01	5.16	.2466	.0186	-.0451	-.0013	.0014	-.0068	
247	475.37	2.01	5.16	.2446	.0187	-.0445	-.0024	.0032	-.0150	
248	475.37	4.06	5.15	.2402	.0190	-.0428	-.0041	.0069	-.0334	
249	475.26	6.10	5.15	.2350	.0194	-.0413	-.0082	.0105	-.0524	
250	475.37	-.00	5.17	.2479	.0186	-.0452	.0002	-.0007	.0021	

BODY AXIS										
PRJ 111A										
RUN 20										
MACH 2.00										
PT	DYN PRS	BETA	ALPHA	CM	CA	CH	CLB	CNR	CY	
251	475.30	-4.05	11.95	.5311	.0149	-.0806	.0096	-.0060	.0323	
252	475.41	-2.01	11.95	.5349	.0147	-.0832	.0048	-.0023	.0140	
253	475.44	-1.03	11.96	.5374	.0147	-.0839	.0027	-.0014	.0073	
254	475.59	-.02	11.96	.5374	.0148	-.0844	.0004	-.0004	.0006	
255	475.59	1.02	11.96	.5371	.0148	-.0845	-.0020	.0003	-.0063	
256	475.37	2.07	11.95	.5348	.0148	-.0838	-.0040	.0013	-.0125	
257	475.51	4.07	11.95	.5309	.0147	-.0812	-.0088	.0044	-.0297	
258	475.34	6.10	11.93	.5231	.0151	-.0794	-.0128	.0082	-.0492	
259	475.16	.03	11.96	.5379	.0147	-.0845	.0004	-.0004	.0004	

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STABILITY AXIS									
PRJ 1116									
RUN 21									
MACH 1.60									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
296	-6.0134	-.01	-6.95	-.3423	.0569	.0569	.0002	.0000	.0016
297	-6.7963	-.00	-6.61	-.2332	.0343	.0310	.0001	.0000	.0014
298	-5.0069	-.00	-2.28	-.1116	.0223	.0278	.0002	.0001	.0011
299	-2.6130	-.00	-1.12	-.0517	.0198	.0161	.0002	.0000	.0007
290	.7757	-.00	.06	.0071	.0189	.0039	.0006	.0001	.0007
291	3.1967	-.00	1.16	.0627	.0194	.0066	.0002	.0002	.0007
292	5.5808	-.00	2.32	.1217	.0218	.0187	.0005	.0001	.0005
293	6.8696	-.00	3.69	.1937	.0267	.0307	.0010	.0001	.0003
294	7.0493	-.00	4.65	.2451	.0346	.0400	.0009	.0003	.0000
295	6.7205	-.00	5.81	.3008	.0449	.0458	.0007	.0002	.0002
296	6.2022	-.00	6.98	.3584	.0578	.0522	.0010	.0001	.0005
297	5.7017	.00	8.16	.4160	.0730	.0567	.0010	.0001	.0009
298	5.2219	.00	9.32	.4692	.0899	.0607	.0010	.0001	.0010
299	4.6207	.00	11.68	.5794	.1211	.0681	.0009	.0000	.0008
300	4.1917	.00	12.47	.6135	.1464	.0701	.0009	.0000	.0008
301	.4085	-.00	.07	.0077	.0189	.0044	.0002	.0002	.0008

STABILITY AXIS									
PRJ 1116									
RUN 22									
MACH 1.60									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
302	-6.0183	3.03	-6.96	-.3442	.0572	.0561	.0060	-.0029	-.0032
303	-6.6970	3.02	-5.60	-.2311	.0345	.0305	.0050	-.0031	-.0033
304	-4.9195	3.01	-2.28	-.1099	.0223	.0269	.0023	-.0030	-.0037
305	-2.5524	3.03	-1.12	-.0506	.0198	.0158	.0012	-.0031	-.0035
306	.4958	3.03	.07	.0092	.0190	.0034	.0005	-.0033	-.0035
307	3.2908	3.03	1.18	.0645	.0196	.0073	.0021	-.0034	-.0037
308	5.6222	3.04	2.32	.1239	.0220	.0208	.0042	-.0031	-.0044
309	6.7968	3.04	3.47	.1839	.0271	.0328	.0055	-.0029	-.0051
310	7.0165	3.04	4.64	.2449	.0349	.0424	.0067	-.0032	-.0049
311	6.7106	3.04	5.80	.3030	.0450	.0494	.0077	-.0030	-.0047
312	6.2154	3.04	6.98	.3597	.0578	.0527	.0067	-.0029	-.0053
313	5.6924	3.04	8.16	.4137	.0727	.0573	.0069	-.0027	-.0056
314	5.2184	3.04	9.33	.4700	.0901	.0620	.0071	-.0025	-.0060
315	4.6194	3.05	11.67	.5772	.1306	.0688	.0074	-.0022	-.0067
316	4.1903	3.05	12.45	.6099	.1455	.0702	.0075	-.0021	-.0068
317	.7905	3.03	.06	.0095	.0189	.0042	.0003	-.0033	-.0035

BODY AXIS									
PRJ 1116									
RUN 23									
MACH 1.60									
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CNB	CV
318	481.26	-4.07	.07	.0003	.0192	.0039	.0014	.0047	.0066
319	431.31	-2.05	.06	.0057	.0189	.0049	.0003	.0023	.0032
320	481.22	-1.02	.07	.0067	.0188	.0045	.0005	.0013	.0019
321	481.39	-.02	.06	.0071	.0188	.0045	.0003	.0001	.0006
322	481.43	.39	.08	.0060	.0188	.0042	.0003	-.0011	-.0008
323	481.39	2.03	.07	.0078	.0188	.0042	.0003	-.0022	-.0021
324	481.43	4.07	.08	.0098	.0191	.0036	.0010	-.0046	-.0053
325	481.36	6.13	.07	.0119	.0198	.0009	.0021	-.0068	-.0095
326	481.64	-7.07	.07	.0043	.0188	.0046	.0004	.0000	.0028

BODY AXIS									
PRJ 1116									
RUN 24									
MACH 1.60									
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CNB	CV
327	481.56	-4.07	4.64	.2465	.0198	-.0417	.0090	.0051	.0073
328	481.77	-2.07	4.65	.2481	.0149	-.0409	.0057	.0029	.0029
329	481.64	-1.00	4.65	.2444	.0148	-.0399	.0034	.0017	.0013
330	481.81	-.00	4.65	.2460	.0145	-.0392	.0008	.0003	-.0003
331	481.90	1.07	4.65	.2439	.0145	-.0392	-.0021	.0013	-.0013
332	481.90	2.07	4.64	.2469	.0146	-.0414	.0048	.0024	-.0026
333	481.90	4.08	4.64	.2476	.0153	-.0422	.0078	.0049	-.0074
334	481.81	6.14	4.63	.2442	.0163	-.0432	.0104	.0072	-.0126
335	481.94	-7.00	4.65	.2469	.0145	-.0399	.0004	.0003	-.0003

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BODY AXIS										PRJ 1116	RUN 25	MACH 1.60
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY			
336	479.07	-4.07	11.64	.5857	.0112	-.0673	.0108	.0052	.0070			
337	480.72	-2.04	11.64	.5883	.0110	-.0672	.0053	.0025	.0023			
338	481.56	-1.02	11.67	.5894	.0110	-.0680	.0031	.0014	.0006			
339	481.50	-.02	11.67	.5902	.0110	-.0676	.0006	.0001	-.0011			
340	481.56	1.02	11.65	.5921	.0110	-.0677	-.0014	-.0009	-.0023			
341	481.52	2.04	11.67	.5907	.0110	-.0674	-.0040	-.0023	-.0040			
342	481.47	4.09	11.67	.5908	.0110	-.0677	-.0092	-.0048	-.0090			
343	481.32	6.15	11.65	.5850	.0112	-.0681	-.0145	-.0074	-.0150			
344	481.52	.00	11.67	.5912	.0109	-.0667	.0005	.0002	-.0013			

STABILITY AXIS										PRJ 1116	RUN 28	MACH 2.00
PT	L/D	BETA	ALPHA	CL	CN	CM	CLS	CNS	CY			
365	-5.9167	-.01	-6.74	-.2634	.0445	.0341	.0001	.0003	.0009			
366	-6.0113	-.01	-3.96	-.1680	.0280	.0297	.0002	.0003	.0007			
367	-3.3042	-.00	-1.68	-.0643	.0195	.0117	.0001	.0003	.0004			
368	-.6451	-.03	-.55	-.0125	.0182	.0024	.0002	.0002	.0004			
369	2.2162	-.00	.64	.0411	.0185	-.0079	.0003	.0002	.0004			
370	4.3727	-.00	1.72	.1888	.0201	-.0171	.0001	.0003	.0003			
371	5.7828	-.00	2.54	.1376	.0238	-.0263	.0003	.0003	.0002			
372	6.4134	-.03	3.98	.1880	.0293	-.0340	.0003	.0003	.0001			
373	6.4308	-.00	5.12	.2345	.0365	-.0391	.0003	.0003	.0001			
374	6.1593	-.00	6.75	.2796	.0454	-.0420	.0001	.0003	-.0004			
375	5.7545	-.07	7.39	.3228	.0561	-.0448	.0002	.0003	-.0006			
376	5.3763	-.00	8.44	.3642	.0690	-.0464	.0002	.0003	-.0008			
377	4.9185	-.00	9.67	.4107	.0832	-.0478	.0002	.0004	-.0010			
378	4.2445	.00	11.95	.4939	.1164	-.0504	.0003	.0003	-.0010			
379	3.6854	.03	14.22	.5724	.1554	-.0503	.0001	.0003	-.0011			
380	3.4296	.00	15.43	.6188	.1799	-.0505	.0002	.0002	-.0013			
381	2.2311	-.00	.65	.0433	.0186	-.0085	.0002	.0001	.0005			

STABILITY AXIS										PRJ 1116	RUN 29	MACH 2.00
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY			
382	-5.8301	3.04	-6.26	-.2608	.0447	.0326	.0038	-.0031	-.0050			
383	-5.8377	3.05	-3.96	-.1635	.0280	.0259	.0012	-.0031	-.0053			
384	-3.0407	3.04	-1.68	-.0609	.0199	.0092	.0001	-.0031	-.0051			
385	-.7875	3.04	-.55	-.0147	.0187	.0011	-.0008	-.0031	-.0053			
386	2.0305	3.04	.62	.0384	.0189	-.0077	.0016	-.0029	-.0058			
387	4.1436	3.04	1.70	.0843	.0204	-.0158	.0018	-.0028	-.0066			
388	4.7323	3.04	2.84	.1371	.0239	-.0255	.0015	-.0028	-.0071			
389	6.3327	3.04	3.98	.1852	.0292	-.0323	.0022	-.0029	-.0074			
390	6.3787	3.04	5.11	.2322	.0364	-.0377	.0032	-.0030	-.0076			
391	6.1148	3.05	6.75	.2769	.0453	-.0417	.0040	-.0031	-.0075			
392	5.7410	3.05	7.38	.3214	.0560	-.0446	.0043	-.0031	-.0075			
393	5.2282	3.05	8.52	.3653	.0686	-.0470	.0046	-.0030	-.0076			
394	4.9326	3.05	9.66	.4075	.0826	-.0481	.0050	-.0028	-.0078			
395	4.2440	3.05	11.95	.4930	.1161	-.0508	.0058	-.0026	-.0079			
396	3.6783	3.05	14.23	.5737	.1560	-.0516	.0065	-.0022	-.0073			
397	3.4242	3.05	15.43	.6138	.1793	-.0511	.0067	-.0020	-.0072			
398	2.1328	3.04	.65	.0403	.0189	-.0078	.0016	-.0030	-.0057			

BODY AXIS										PRJ 1116	RUN 30	MACH 2.00
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY			
399	476.02	-4.09	.64	.0377	.0190	-.0073	.0015	.0048	.0090			
400	476.09	-2.07	.64	.0408	.0194	-.0080	.0013	.0024	.0042			
401	476.16	-1.07	.64	.0407	.0182	-.0081	.0008	.0013	.0023			
402	476.09	-.00	.65	.0434	.0181	-.0088	.0002	.0003	.0004			
403	476.27	1.02	.65	.0431	.0181	-.0080	-.0005	-.0007	-.0017			
404	476.27	2.04	.64	.0415	.0183	-.0080	-.0011	-.0018	-.0039			
405	476.27	4.08	.63	.0384	.0189	-.0074	-.0014	-.0042	-.0084			
406	476.30	6.16	.63	.0377	.0199	-.0074	-.0013	-.0049	-.0137			
407	476.23	-.00	.64	.0435	.0182	-.0084	.0002	.0004	.0005			



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BODY AXIS PRJ 1116 RUN 31 MACH 2.00										
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CY	
408	475.98	-4.08	5.10	.2301	.0164	-.0358	.0039	.0053	.0100	
409	476.02	-2.02	5.12	.2374	.0157	-.0381	.0023	.0028	.0044	
410	476.05	-1.04	5.12	.2384	.0155	-.0393	.0012	.0015	.0021	
411	476.02	-.02	5.13	.2395	.0154	-.0393	.0001	.0004	-.0003	
412	475.99	1.00	5.12	.2382	.0155	-.0391	.0007	.0008	-.0027	
413	476.09	2.04	5.13	.2391	.0155	-.0383	.0019	.0019	-.0049	
414	476.05	4.09	5.11	.2330	.0160	-.0369	.0039	.0045	-.0106	
415	476.16	6.16	5.10	.2270	.0164	-.0351	.0049	.0072	-.0149	
416	476.19	-.00	5.12	.2382	.0154	-.0392	.0002	.0005	.0001	

BODY AXIS PRJ 1116 RUN 32 MACH 2.00										
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CY	
417	476.16	-4.08	11.94	.5038	.0119	-.0504	.0067	.0058	.0089	
418	476.20	-2.01	11.94	.5070	.0116	-.0508	.0037	.0031	.0030	
419	476.27	-1.02	11.94	.5070	.0115	-.0509	.0020	.0018	.0009	
420	476.16	-.02	11.95	.5089	.0115	-.0505	.0003	.0005	-.0011	
421	476.02	1.02	11.95	.5080	.0116	-.0504	.0015	.0009	.0030	
422	476.05	2.03	11.96	.5089	.0115	-.0502	.0034	.0023	-.0053	
423	476.27	4.10	11.95	.5073	.0117	-.0514	.0067	.0051	-.0109	
424	476.23	6.16	11.93	.5022	.0121	-.0514	.0093	.0077	-.0174	
425	476.27	-.00	11.96	.5098	.0115	-.0501	.0001	.0005	-.0013	

STABILITY AXIS PRJ 1116 RUN 33 MACH 2.26										
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	
432	-5.5628	-.01	-5.42	-.2006	.0361	.0152	.0007	.0004	.0014	
434	-4.6894	-.01	-3.15	-.1103	.0235	.0093	.0002	.0003	.0014	
435	-1.0238	-.01	-.92	-.0190	.0186	-.0031	.0008	.0004	.0014	
436	.9534	-.01	.16	.0176	.0184	-.0089	.0007	.0004	.0012	
437	3.2642	-.00	1.34	.0641	.0196	-.0132	.0003	.0001	.0007	
438	4.7621	-.00	2.39	.1055	.0222	-.0217	.0004	.0002	.0008	
439	5.6048	-.00	3.51	.1470	.0262	-.0272	.0007	.0002	.0007	
440	5.8879	-.00	4.61	.1862	.0316	-.0325	.0008	.0001	.0004	
441	5.8627	-.00	5.72	.2260	.0385	-.0354	.0005	.0002	.0006	
442	5.6781	-.00	6.83	.2642	.0469	-.0400	.0002	.0001	.0002	
443	5.2927	-.00	7.92	.2993	.0559	-.0406	.0001	.0001	.0002	
444	4.9640	-.00	9.05	.3355	.0675	-.0421	.0004	.0000	-.0002	
445	4.6318	.00	10.16	.3705	.0800	-.0443	.0003	.0000	-.0004	
446	4.0369	.00	12.38	.4426	.1099	-.0469	.0001	.0000	-.0008	
447	3.5384	.00	14.62	.5165	.1460	-.0465	.0004	.0001	-.0007	
448	3.1247	-.00	16.87	.5889	.1885	-.0458	.0013	.0002	-.0002	
449	2.8314	.00	18.77	.6515	.2301	-.0458	.0005	.0002	-.0002	
450	3.5621	-.01	1.38	.0702	.0197	-.0163	.0008	.0003	.0012	

STABILITY AXIS PRJ 1116 RUN 34 MACH 2.26										
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY	
451	-5.5672	3.04	-5.43	-.2047	.0368	.0154	.0015	-.0036	-.0060	
452	-4.7910	3.03	-3.21	-.1136	.0241	.0109	.0007	-.0031	-.0054	
453	-1.7792	3.01	-.97	-.0336	.0189	-.0008	.0012	-.0032	-.0052	
454	1.0352	3.04	.18	.0192	.0185	-.0075	.0009	-.0032	-.0056	
455	3.0617	3.04	1.33	.0800	.0196	-.0160	.0006	-.0034	-.0063	
456	4.7919	3.04	2.41	.1063	.0222	-.0198	.0005	-.0031	-.0062	
457	5.6673	3.04	3.52	.1488	.0265	-.0255	.0004	-.0034	-.0072	
458	5.9193	3.04	4.62	.1866	.0316	-.0297	.0001	-.0033	-.0068	
459	5.8017	3.04	5.70	.2197	.0379	-.0336	.0007	-.0035	-.0077	
460	5.5953	3.05	6.82	.2577	.0461	-.0367	.0018	-.0035	-.0076	
461	5.7846	3.05	7.92	.2922	.0555	-.0394	.0023	-.0034	-.0077	
462	4.9695	3.15	9.06	.3379	.0680	-.0407	.0026	-.0036	-.0082	
463	4.6463	3.04	10.19	.3779	.0813	-.0408	.0033	-.0034	-.0083	
464	4.0444	3.05	12.39	.4459	.1103	-.0441	.0043	-.0033	-.0082	
465	3.5379	3.05	14.64	.5178	.1464	-.0446	.0049	-.0030	-.0072	
466	3.1255	3.04	16.86	.5861	.1875	-.0450	.0059	-.0029	-.0070	
467	2.8260	3.04	18.81	.6568	.2322	-.0453	.0063	-.0020	-.0068	
468	3.1286	3.07	1.32	.0613	.0196	-.0137	.0002	-.0031	-.0055	

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BODY AXIS PRJ 1114 RUN 35 MACH 2.36

PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CV
469	448.54	-4.09	1.32	.0585	.0185	-.0144	.0007	.0048	.0112
470	448.88	-2.03	1.35	.0628	.0181	-.0143	.0000	.0025	.0052
471	448.45	-1.03	1.36	.0685	.0181	-.0156	.0009	.0015	.0036
472	448.51	-.02	1.35	.0658	.0180	-.0159	.0011	.0002	.0012
473	448.54	1.00	1.26	.0660	.0172	-.0150	.0001	.0009	-.0009
474	448.88	2.03	1.34	.0590	.0179	-.0139	.0009	.0020	-.0029
475	449.02	4.10	1.34	.0592	.0182	-.0126	.0006	.0045	-.0084
476	448.17	6.13	1.34	.0452	.0187	-.0123	.0005	.0072	-.0151
477	448.51	-.01	1.36	.0646	.0179	-.0149	.0003	.0003	.0016

BODY AXIS PRJ 1116 RUN 36 MACH 2.36

PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CV
478	448.65	-4.11	5.48	.2144	.0161	-.0334	.0022	.0057	.0127
479	448.85	-2.03	5.72	.2252	.0156	-.0332	.0011	.0026	.0062
480	448.39	-1.03	5.71	.2221	.0156	-.0338	.0007	.0014	.0035
481	448.02	-.02	5.72	.2271	.0156	-.0339	.0006	.0001	.0009
482	448.37	1.02	5.72	.2248	.0155	-.0332	.0002	.0012	-.0017
483	448.56	2.04	5.71	.2217	.0155	-.0326	.0007	.0023	-.0043
484	449.62	4.09	5.73	.2249	.0158	-.0310	.0012	.0052	-.0109
485	449.02	6.15	5.72	.2216	.0162	-.0307	.0029	.0078	-.0174
486	448.88	-.00	5.73	.2273	.0155	-.0332	.0005	.0002	.0016

BODY AXIS PRJ 1116 RUN 37 MACH 2.36

PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLS	CNS	CV
487	448.42	-4.09	12.37	.4483	.0123	-.0420	.0054	.0055	.0114
488	448.83	-2.03	12.38	.4514	.0120	-.0422	.0035	.0078	.0051
489	448.68	-1.04	12.38	.4522	.0119	-.0424	.0019	.0015	.0023
490	448.59	-.02	12.41	.4614	.0118	-.0416	.0009	.0001	.0002
491	448.88	1.02	12.40	.4505	.0118	-.0421	.0005	.0011	-.0019
492	448.79	2.04	12.38	.4532	.0118	-.0416	.0021	.0024	-.0044
493	448.79	4.10	12.40	.4546	.0119	-.0414	.0047	.0056	-.0116
494	448.62	6.16	12.39	.4532	.0124	-.0401	.0062	.0081	-.0175
495	449.16	-.00	12.41	.4611	.0117	-.0419	.0007	.0001	.0000

STABILITY AXIS PRJ 1116 RUN 40 MACH 2.70

PT	L/D	BETA	ALPHA	CL	CN	CM	CLS	CNS	CV
516	-5.2254	-.01	-6.48	-.2090	.0398	.0063	.0002	.0001	.0018
517	-5.2149	-.01	-6.29	-.1391	.0267	.0046	.0003	.0002	.0019
518	-3.5316	-.01	-2.09	-.0666	.0189	-.0003	.0002	.0002	.0015
519	-1.6773	-.01	-1.00	-.0287	.0171	-.0043	.0006	.0002	.0016
520	-.2985	-.00	.13	.0050	.0167	-.0084	.0001	.0001	.0014
521	2.3815	-.00	1.14	.0419	.0176	-.0130	.0004	.0001	.0013
522	4.0557	-.01	2.27	.0797	.0197	-.0177	.0005	.0002	.0015
523	4.9094	-.00	3.16	.1113	.0227	-.0214	.0001	.0001	.0013
524	5.5025	-.00	4.44	.1509	.0274	-.0250	.0006	.0001	.0011
525	5.5944	-.01	5.56	.1862	.0333	-.0284	.0004	.0000	.0009
526	5.4275	-.00	6.62	.2168	.0399	-.0309	.0003	.0000	.0010
527	5.2173	-.00	7.73	.2521	.0483	-.0322	.0006	.0001	.0011
528	4.9401	-.00	8.82	.2871	.0581	-.0335	.0004	.0001	.0010
529	4.3369	-.00	11.00	.3523	.0812	-.0361	.0003	.0001	.0006
530	3.8077	-.00	13.19	.4168	.1095	-.0371	.0009	.0001	.0006
531	3.3577	-.00	15.40	.4824	.1437	-.0374	.0010	.0001	.0004
532	2.9451	.00	17.61	.5489	.1839	-.0375	.0004	.0002	.0001
533	2.6717	-.00	19.82	.6148	.2301	-.0375	.0010	.0004	.0001
534	.6107	-.00	.16	.0103	.0168	-.0089	.0004	.0001	.0015

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STABILITY AXIS									
PRJ 1116									
RUN 41									
MACH 2.70									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
535	-5.1908	3.04	-6.48	-.2071	.0399	.0082	.0022	-.0035	-.0059
536	-5.0923	3.03	-6.26	-.1362	.0264	.0054	.0016	-.0033	-.0057
537	-3.5513	3.04	-2.10	-.0680	.0191	-.0006	.0016	-.0036	-.0060
538	-1.7313	3.07	-1.00	-.0301	.0174	-.0047	.0017	-.0035	-.0056
539	.6361	3.03	.12	.0108	.0170	-.0085	.0018	-.0034	-.0052
540	2.5171	2.04	1.19	.0448	.0178	-.0131	.0014	-.0036	-.0061
541	3.9675	3.03	2.25	.0781	.0197	-.0171	.0009	-.0035	-.0061
542	5.2742	3.04	3.79	.1218	.0235	-.0211	.0008	-.0035	-.0066
543	5.5691	3.04	4.46	.1545	.0278	-.0247	.0003	-.0037	-.0073
544	5.6240	3.04	5.56	.1891	.0336	-.0275	.0001	-.0037	-.0073
545	5.4497	3.04	6.63	.2194	.0403	-.0292	-.0010	-.0038	-.0077
546	5.1871	3.04	7.71	.2494	.0481	-.0320	-.0014	-.0038	-.0079
547	4.9169	3.05	8.80	.2740	.0578	-.0339	-.0018	-.0038	-.0082
548	4.3294	3.05	10.99	.3480	.0804	-.0353	-.0028	-.0036	-.0083
549	3.8089	3.05	13.19	.4167	.1094	-.0371	-.0037	-.0034	-.0080
550	3.3577	3.04	15.41	.4878	.1453	-.0368	-.0042	-.0032	-.0070
551	2.9800	3.04	17.62	.5527	.1895	-.0372	-.0053	-.0027	-.0075
552	2.6672	3.04	19.94	.6172	.2314	-.0373	-.0055	-.0024	-.0074
553	.9159	3.04	.19	.0088	.0171	-.0091	.0019	-.0034	-.0059

BODY AXIS									
PRJ 1116									
RUN 42									
MACH 2.70									
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLB	CNB	CV
554	413.87	-4.10	.14	.0098	.0174	-.0095	.0007	.0053	.0122
555	413.71	-2.02	.15	.0123	.0170	-.0094	.0003	.0026	.0061
556	413.78	-1.04	.13	.0051	.0169	-.0087	.0002	.0014	.0037
557	413.89	-.01	.14	.0098	.0169	-.0090	.0007	.0002	.0014
558	413.95	1.01	.14	.0095	.0169	-.0084	.0008	.0010	-.0008
559	414.00	2.01	.12	.0111	.0169	-.0090	.0017	.0023	-.0030
560	413.95	4.10	.14	.0076	.0172	-.0084	.0019	.0051	-.0090
561	414.04	6.16	.12	.0015	.0178	-.0081	.0022	.0079	-.0159
562	413.76	-.00	.13	.0059	.0169	-.0082	.0003	.0001	.0012

BODY AXIS									
PRJ 1116									
RUN 43									
MACH 2.70									
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLB	CNB	CV
563	413.67	-4.10	6.44	.1493	.0160	-.0252	.0008	.0052	.0129
564	413.76	-2.04	6.45	.1522	.0158	-.0267	.0001	.0076	.0065
565	414.15	-1.04	4.45	.1512	.0157	-.0246	-.0000	.0013	.0033
566	413.98	-.00	4.44	.1488	.0158	-.0248	.0006	.0002	.0012
567	412.82	.98	4.47	.1609	.0155	-.0249	.0013	.0010	-.0011
568	413.82	2.04	4.46	.1592	.0155	-.0241	.0004	-.0022	-.0038
569	413.93	4.08	4.46	.1546	.0158	-.0241	.0003	-.0051	-.0107
570	414.13	6.14	6.49	.1489	.0161	-.0238	.0004	-.0076	-.0171
571	413.71	-.01	4.45	.1542	.0157	-.0244	.0008	.0003	.0017

BODY AXIS									
PRJ 1116									
RUN 44									
MACH 2.70									
PT	DYN PRS	BETA	ALPHA	CL	CA	CM	CLB	CNB	CV
572	413.89	-4.09	11.01	.3613	.0129	-.0347	.0044	.0056	.0136
573	414.09	-2.03	11.01	.3620	.0127	-.0349	.0021	.0027	.0061
574	414.09	-1.01	11.00	.3594	.0127	-.0355	.0010	.0015	.0034
575	413.89	-.00	11.00	.3599	.0126	-.0353	.0004	.0001	.0007
576	414.11	1.00	11.01	.3638	.0124	-.0350	-.0006	.0014	-.0023
577	413.84	2.04	11.01	.3619	.0124	-.0347	-.0010	-.0027	-.0050
578	414.06	4.09	11.02	.3637	.0127	-.0337	-.0029	-.0052	-.0114
579	413.93	6.15	10.99	.3565	.0131	-.0346	-.0051	-.0081	-.0186
580	414.04	-.00	10.98	.3555	.0128	-.0359	-.0000	.0001	.0004

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STABILITY AXIS									
PRJ 1114									
RUN 45									
MACH 1.00									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
595	-5.4287	-0.00	-6.74	-.3429	.0632	.0584	.0002	-.0006	.0025
596	-5.8467	-0.00	-6.59	-.2305	.0394	.0509	.0003	-.0006	.0023
597	-4.1252	-0.00	-2.28	-.1046	.0266	.0282	.0001	-.0003	.0013
598	-2.2143	.00	-1.13	-.0524	.0236	.0166	-.0001	-.0004	.0011
599	-.2713	-0.00	.07	.1040	.0223	.0050	.0004	-.0003	.0009
600	2.7904	-0.00	1.17	.0623	.0223	-.0055	.0004	-.0002	.0007
601	5.0781	-0.00	2.33	.1223	.0241	-.0164	.0004	-.0002	.0006
602	6.5093	.00	3.49	.1846	.0284	-.0282	.0003	-.0005	.0011
603	6.8358	.00	4.65	.2459	.0360	-.0406	.0008	-.0004	.0006
604	6.5034	.00	5.82	.3061	.0471	-.0501	.0006	-.0001	-.0001
605	6.0400	.02	6.97	.3613	.0598	-.0573	.0006	-.0001	-.0004
606	5.5632	.03	8.15	.4170	.0750	-.0622	.0006	-.0005	-.0000
607	5.1162	.01	9.32	.4747	.0928	-.0674	.0005	-.0007	-.0002
608	4.3446	.02	11.64	.5263	.1225	-.0755	.0004	-.0004	-.0003
609	4.1276	.00	12.44	.6158	.1487	-.0775	.0005	-.0002	-.0007
610	-.5111	.00	.09	.0113	.0222	.0049	.0001	-.0003	.0009

STABILITY AXIS									
PRJ 1116									
RUN 46									
MACH 1.00									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
611	-5.4441	3.02	-6.95	-.3433	.0631	.0591	.0034	.0056	-.0194
612	-5.8447	3.01	-6.60	-.2326	.0398	.0570	.0028	.0070	-.0215
613	-4.1935	3.01	-2.28	-.1117	.0266	.0284	.0005	.0074	-.0231
614	-2.2218	3.01	-1.13	-.0573	.0235	.0166	-.0002	.0074	-.0227
615	-.3407	3.01	.08	.0884	.0220	.0048	.0010	.0070	-.0225
616	2.7581	3.02	1.16	.0609	.0221	-.0053	-.0024	.0069	-.0225
617	5.0459	3.02	2.32	.1206	.0239	-.0176	-.0042	.0071	-.0233
618	6.4655	3.02	3.48	.1837	.0284	-.0301	-.0055	.0072	-.0239
619	6.7587	3.02	4.63	.2429	.0359	-.0417	-.0061	.0072	-.0245
620	6.5429	3.03	5.80	.3026	.0443	-.0507	-.0064	.0069	-.0242
621	6.0525	3.03	6.98	.3594	.0594	-.0566	-.0060	.0052	-.0207
622	5.5671	3.03	8.14	.4148	.0745	-.0626	-.0063	.0057	-.0214
623	5.1202	3.03	9.30	.4694	.0917	-.0668	-.0065	.0065	-.0225
624	4.3470	3.04	11.66	.5192	.1332	-.0750	-.0065	.0063	-.0226
625	4.1237	3.04	12.44	.6126	.1485	-.0772	-.0070	.0059	-.0215
626	-.3970	3.03	.08	.0987	.0220	.0052	-.0012	.0071	-.0227

BODY AXIS									
PRJ 1114									
RUN 47									
MACH 1.00									
PT	DYN PRS	BETA	ALPHA	CM	CA	CV	CLB	CNB	CV
627	481.56	-4.73	.08	.0099	.0222	.0044	.0020	-.0103	.0332
628	481.60	-2.31	.09	.0103	.0220	.0051	.0013	-.0052	.0173
629	481.47	-1.00	.08	.0096	.0220	.0052	.0009	-.0029	.0790
630	481.05	-.02	.08	.0086	.0220	.0049	.0004	-.0003	.0010
631	481.31	.97	.05	.0051	.0220	.0054	-.0001	.0024	-.0074
632	481.31	2.01	.08	.0082	.0219	.0053	-.0009	.0048	-.0148
633	481.09	4.02	.09	.0094	.0220	.0050	-.0018	.0097	-.0313
634	481.26	8.06	.07	.0108	.0223	.0037	-.0035	.0141	-.0476
635	481.47	.00	.07	.0069	.0220	.0051	-.0003	-.0004	.0010

BODY AXIS									
PRJ 1116									
RUN 48									
MACH 1.00									
PT	DYN PRS	BETA	ALPHA	CM	CA	CV	CLB	CNB	CV
636	481.64	-4.04	4.65	.2483	.0171	-.0412	.0092	-.0096	.0349
637	481.52	-1.99	4.65	.2463	.0161	-.0410	.0057	-.0054	.0144
638	481.52	-1.07	4.65	.2472	.0158	-.0404	.0034	-.0030	.0100
639	481.68	-.02	4.65	.2468	.0157	-.0403	.0006	-.0005	.0011
640	481.68	1.01	4.64	.2491	.0157	-.0400	-.0020	.0023	-.0083
641	481.68	2.02	4.65	.2474	.0157	-.0413	-.0047	.0050	-.0170
642	481.72	4.08	4.64	.2461	.0165	-.0417	-.0046	.0084	-.0326
643	481.81	8.04	4.64	.2481	.0172	-.0404	-.0111	.0127	-.0446
644	480.88	.03	4.64	.2442	.0157	-.0402	.0005	-.0003	.0005

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BODY AXIS		PRJ 111A			RUN 49			MACH 1.60	
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNS	CV
645	480.97	-4.05	11.65	.5898	.0130	-.0733	.0121	-.0049	.0288
646	481.18	-1.98	11.66	.5938	.0132	-.0750	.0063	-.0057	.0139
647	491.22	-1.07	11.66	.5945	.0132	-.0752	.0034	-.0023	.0073
648	491.22	-.01	11.66	.5944	.0132	-.0741	.0004	-.0003	-.0005
649	481.18	1.00	11.66	.5944	.0133	-.0743	.0022	-.0015	-.0078
650	481.14	2.02	11.66	.5954	.0133	-.0743	-.0049	.0028	-.0139
651	491.52	4.05	11.66	.5937	.0130	-.0737	-.0109	.0044	-.0300
652	481.47	8.10	11.66	.5876	.0120	-.0729	-.0164	.0088	-.0453
653	481.43	.01	11.67	.5955	.0131	-.0740	.0007	-.0003	-.0006

STABILITY AXIS		PRJ 111A		RUN 50		MACH 2.00			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
654	-5.3960	-.07	-6.24	-.2677	.0496	.0397	.0702	-.0002	.0022
655	-5.4173	-.07	-3.97	-.1749	.0323	.0335	.0003	-.0003	.0019
656	-3.1377	-.07	-1.68	-.0708	.0226	.0158	.0004	-.0004	.0016
657	-.9900	-.07	-.56	-.0205	.0208	.0063	.0002	-.0003	.0016
658	1.9367	-.00	.43	.0313	.0204	-.0029	.0003	-.0003	.0018
659	3.7281	-.00	1.71	.0802	.0215	-.0126	.0003	-.0005	.0017
660	5.3283	-.00	2.84	.1302	.0244	-.0218	.0000	-.0006	.0019
661	6.1168	-.07	3.96	.1788	.0292	-.0301	.0000	-.0004	.0014
662	6.2453	-.00	5.10	.2272	.0361	-.0369	.0002	-.0004	.0013
663	6.0437	-.07	6.23	.2734	.0449	-.0422	.0003	-.0004	.0012
664	5.7019	.07	7.37	.3182	.0558	-.0461	.0001	-.0005	.0011
665	5.2852	.00	8.51	.3641	.0689	-.0492	.0003	-.0003	.0006
666	4.8940	.07	9.64	.4062	.0820	-.0512	.0002	-.0001	.0001
667	4.2058	.00	11.93	.4913	.1168	-.0542	.0002	-.0003	.0001
668	3.6534	.00	14.21	.5731	.1569	-.0548	.0003	-.0001	-.0004
669	3.4053	.00	15.43	.6149	.1806	-.0552	.0003	-.0001	-.0007
670	1.6773	-.00	.66	.0243	.0204	-.0047	.0003	-.0003	.0015

STABILITY AXIS		PRJ 111A		RUN 51		MACH 2.00			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CV
671	-5.3469	3.03	-6.25	-.2668	.0499	.0382	.0017	.0049	-.0199
672	-5.3343	3.02	-3.96	-.1730	.0322	.0309	.0002	.0051	-.0199
673	-3.0076	3.02	-1.69	-.0689	.0229	.0136	-.0009	.0054	-.0204
674	-.9644	3.02	-.57	-.0204	.0211	.0049	-.0015	.0053	-.0206
675	1.5073	3.03	.63	.0314	.0208	-.0035	-.0020	.0051	-.0207
676	3.5277	3.03	1.70	.0769	.0218	-.0118	-.0020	.0049	-.0202
677	5.7095	3.03	2.83	.1282	.0247	-.0212	-.0018	.0042	-.0195
678	6.0371	3.03	3.96	.1782	.0296	-.0291	-.0020	.0041	-.0195
679	6.1891	3.04	5.10	.2252	.0364	-.0358	-.0024	.0044	-.0207
680	6.0023	3.04	6.23	.2708	.0451	-.0412	-.0029	.0046	-.0212
681	5.6725	3.04	7.37	.3172	.0558	-.0451	-.0033	.0040	-.0205
682	5.2722	3.04	8.51	.3614	.0689	-.0478	-.0038	.0034	-.0195
683	4.8847	3.05	9.65	.4065	.0832	-.0504	-.0040	.0032	-.0190
684	4.2071	3.05	11.92	.4898	.1144	-.0544	-.0048	.0033	-.0193
685	3.6409	3.05	14.20	.5708	.1567	-.0555	-.0057	.0036	-.0182
686	3.3964	3.05	15.45	.6140	.1808	-.0548	-.0059	.0033	-.0169
687	1.6397	3.03	.65	.0242	.0209	-.0038	-.0018	.0051	-.0204

BODY AXIS		PRJ 111A		RUN 52		MACH 2.00			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNS	CV
688	475.12	-4.05	.62	.0302	.0211	-.0040	.0025	-.0044	.0290
689	475.26	-2.00	.63	.0247	.0204	-.0039	.0018	-.0041	.0163
690	475.19	-1.01	.63	.0234	.0202	-.0047	.0012	-.0023	.0089
691	475.16	-.02	.63	.0242	.0202	-.0041	.0004	-.0002	.0009
692	475.16	.97	.64	.0368	.0202	-.0041	-.0008	.0020	-.0069
693	475.23	2.02	.63	.0334	.0201	-.0018	-.0017	.0039	-.0143
694	475.30	4.04	.62	.0320	.0209	-.0040	-.0022	.0063	-.0277
695	475.22	6.99	.61	.0276	.0218	-.0040	-.0025	.0078	-.0400
696	475.34	-.00	.63	.0331	.0202	-.0039	.0002	-.0002	.0010

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BODY AXIS										
PRJ 1116					RUN 52		MACH 2.00			
PT	DYN PRS	BETA	ALPHA	CN	CA	CH	CLS	CNS	CV	
697	475.37	-4.05	5.08	.2236	.0175	-.0345	.0039	-.0051	.0289	
698	475.34	-2.00	5.10	.2103	.0164	-.0363	.0022	-.0036	.0157	
699	475.34	-1.03	5.10	.2304	.0161	-.0375	.0012	-.0022	.0085	
700	475.41	-0.00	5.11	.2324	.0159	-.0375	.0007	-.0003	.0009	
701	475.34	-1.01	5.11	.2316	.0160	-.0375	-.0007	.0014	-.0247	
702	475.44	-2.02	5.10	.2302	.0161	-.0372	-.0017	.0029	-.0140	
703	475.37	-4.05	5.10	.2262	.0169	-.0354	-.0037	.0050	-.0279	
704	475.44	-6.09	5.08	.2202	.0178	-.0332	-.0051	.0055	-.0404	
705	475.44	-8.07	5.10	.2319	.0159	-.0376	.0001	-.0003	.0006	

BODY AXIS										
PRJ 1116					RUN 54		MACH 2.00			
PT	DYN PRS	BETA	ALPHA	CN	CA	CH	CLS	CNS	CV	
706	475.44	-4.05	11.91	.5009	.0133	-.0547	.0075	-.0039	.0267	
707	475.37	-1.03	11.91	.5042	.0129	-.0550	.0040	-.0019	.0123	
708	475.37	-1.03	11.92	.5059	.0128	-.0544	.0020	-.0011	.0062	
709	475.09	-0.00	11.92	.5058	.0128	-.0547	.0001	-.0002	.0004	
710	475.07	-1.03	11.92	.5059	.0129	-.0548	.0014	.0009	-.0047	
711	475.12	-2.02	11.93	.5068	.0127	-.0541	-.0036	.0015	-.0127	
712	475.01	-4.07	11.92	.5034	.0130	-.0542	-.0072	.0034	-.0270	
713	475.08	-6.12	11.91	.4991	.0136	-.0531	-.0104	.0054	-.0425	
714	475.01	-8.09	11.93	.4972	.0128	-.0541	.0301	-.0002	.0003	

STABILITY AXIS										
PRJ 1116					RUN 55		MACH 2.30			
PT	L/D	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV	
719	-4.9375	.00	-5.38	-.1920	.0391	.0177	.0013	-.0004	.0022	
720	-4.9703	-.00	-7.22	-.1266	.0777	.0110	.0008	-.0008	.0032	
721	-1.4515	-.00	-.95	-.0304	.0209	-.0010	.0003	-.0003	.0020	
722	-1.7471	-.00	.16	.0157	.0704	-.0003	.0705	-.0003	.0021	
723	2.7449	-.00	1.32	.0579	.0211	-.0141	.0000	-.0003	.0015	
724	4.1948	-.00	2.25	.0966	.0730	-.0700	.0000	-.0002	.0008	
725	5.3415	-.00	3.40	.1439	.0749	-.0259	.0002	-.0000	.0010	
726	5.2977	-.00	4.49	.1774	.0717	-.0313	.0002	-.0000	.0008	
727	5.7044	-.00	5.70	.2197	.0785	-.0350	.0007	-.0001	.0014	
728	5.4490	-.00	6.92	.2623	.0471	-.0391	.0007	-.0030	.0008	
729	5.2641	-.00	7.91	.2960	.0562	-.0420	.0007	-.0001	.0008	
730	4.9554	-.00	9.03	.3350	.0676	-.0449	.0007	-.0001	.0008	
731	4.6244	-.00	10.13	.3707	.0801	-.0471	.0007	-.0002	.0003	
732	4.0223	-.00	12.38	.4442	.1104	-.0484	.0006	-.0003	.0010	
733	3.5282	-.00	14.64	.5210	.1479	-.0486	.0009	-.0007	.0004	
734	3.1138	.00	16.84	.5819	.1869	-.0484	.0002	-.0003	.0002	
735	2.7714	-.00	19.14	.6430	.2392	-.0488	.0011	-.0004	.0008	
736	2.4900	-.00	1.12	.0572	.0217	-.0137	.0003	-.0002	.0016	

STABILITY AXIS										
PRJ 1116					RUN 56		MACH 2.30			
PT	L/D	BETA	ALPHA	CL	CD	CN	CLS	CNS	CV	
737	-4.9129	3.01	-5.39	-.1967	.0400	.0181	-.0003	.0039	-.0105	
738	-4.1930	3.01	-7.14	-.1150	.0274	.0119	-.0001	.0034	-.0149	
739	-1.5068	3.02	-.96	-.0374	.0715	.0001	.0006	.0077	-.0151	
740	-.0272	3.02	.18	.0191	.0208	-.0064	-.0000	.0015	-.0140	
741	2.9477	3.02	1.35	.0672	.0215	-.0161	.0701	.0008	-.0175	
742	4.2462	3.03	2.40	.1001	.0733	-.0193	.0001	.0002	-.0130	
743	5.2104	3.03	3.50	.1398	.0768	-.0248	.0000	-.0003	-.0121	
744	5.4400	3.03	4.50	.1809	.0318	-.0303	-.0003	-.0005	-.0126	
745	5.4948	3.04	5.70	.2189	.0384	-.0349	-.0004	-.0004	-.0141	
746	5.5629	3.03	6.82	.2604	.0448	-.0378	-.0011	-.0000	-.0141	
747	5.7004	3.03	7.93	.3045	.0574	-.0403	-.0016	.0001	-.0144	
748	4.9456	3.03	9.04	.3341	.0678	-.0430	-.0021	.0007	-.0151	
749	4.6157	3.04	10.15	.3794	.0893	-.0457	-.0024	.0007	-.0158	
750	4.0311	3.04	12.37	.4419	.1094	-.0480	-.0034	.0012	-.0165	
751	3.5314	3.04	14.62	.5167	.1462	-.0489	-.0044	.0012	-.0153	
752	3.1174	3.03	16.87	.5899	.1892	-.0487	-.0044	.0018	-.0152	
753	2.7721	3.02	19.12	.6614	.2384	-.0482	-.0044	.0030	-.0144	
754	2.4677	3.02	1.23	.0614	.0214	-.0132	-.0001	.0008	-.0152	

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BODY AXIS										
PRJ 1114										
RUN 57										
PAGE 2.34										
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CY	
755	448.59	-4.06	1.32	.0942	.0206	-.0135	.0015	-.0022	.0247	
756	448.31	-2.01	1.32	.0646	.0199	-.0122	.0010	-.0009	.0120	
757	448.59	-1.02	1.32	.0993	.0196	-.0130	.0000	-.0004	.0060	
758	448.31	-.02	1.32	.0650	.0197	-.0127	.0007	-.0000	.0000	
759	448.37	1.01	1.31	.0951	.0190	-.0126	.0036	-.0002	-.0022	
760	448.22	2.01	1.35	.0651	.0195	-.0132	.0005	.0001	-.0071	
761	448.25	4.06	1.35	.0602	.0202	-.0122	.0003	.0015	-.0196	
762	448.05	-0.02	1.34	.0562	.0200	-.0112	.0001	.0023	-.0324	
763	448.22	-.07	1.33	.0588	.0197	-.0120	.0003	-.0002	.0023	

BODY AXIS										
PRJ 1114										
RUN 58										
PAGE 2.34										
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CY	
764	448.22	-0.07	5.68	.2197	.0170	-.0330	.0020	-.0002	.0219	
765	448.62	-2.02	5.70	.2242	.0164	-.0320	.0015	.0002	.0197	
766	448.14	-1.00	5.71	.2264	.0162	-.0340	.0011	.0000	.0059	
767	448.62	-.07	5.71	.2234	.0163	-.0343	.0001	-.0002	.0000	
768	448.25	1.01	5.73	.2294	.0161	-.0341	-.0002	-.0002	-.0030	
769	448.65	2.02	5.69	.2191	.0162	-.0344	-.0010	-.0015	-.0081	
770	448.37	4.07	5.72	.2242	.0165	-.0332	-.0000	-.0000	-.0190	
771	448.31	0.11	5.70	.2154	.0172	-.0312	-.0021	.0004	-.0330	
772	448.14	-.00	5.71	.2249	.0163	-.0334	.0007	-.0003	.0013	

BODY AXIS										
PRJ 1114										
RUN 59										
PAGE 2.34										
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CY	
773	448.70	-0.07	12.30	.4533	.0127	-.0447	.0001	-.0004	.0229	
774	448.39	-2.01	12.39	.4576	.0125	-.0451	.0034	-.0007	.0114	
775	448.82	-1.04	12.39	.4580	.0123	-.0442	.0023	-.0002	.0056	
776	448.45	-.07	12.30	.4545	.0124	-.0450	.0006	-.0000	.0004	
777	448.49	1.02	12.41	.4632	.0122	-.0452	-.0010	.0000	-.0055	
778	448.54	2.04	12.40	.4606	.0121	-.0444	-.0025	.0003	-.0105	
779	448.34	4.04	12.39	.4567	.0124	-.0441	-.0053	.0002	-.0222	
780	448.51	0.12	12.41	.4540	.0120	-.0426	-.0074	-.0001	-.0334	
781	448.59	.00	12.42	.4644	.0122	-.0457	.0001	-.0003	-.0000	

STABILITY AXIS										
PRJ 1114										
RUN 60										
PAGE 2.35										
PT	L/D	BETA	ALPHA	CL	CD	CM	CL5	CN5	CY	
782	-4.637	-.00	-6.46	-.2061	.0447	.0088	.0001	-.0002	.0023	
783	-4.641	-.02	-6.30	-.1537	.0309	.0074	.0007	-.0007	.0014	
784	-2.615	-.00	-2.00	-.0456	.0221	.0018	.0000	-.0002	.0020	
785	-1.6056	-.01	-1.00	-.0322	.0201	-.0022	.0000	.0000	.0012	
786	-0.638	-.00	.10	.0122	.0149	-.0070	.0003	-.0001	.0014	
787	2.0448	-.00	1.17	.0407	.0147	-.0108	.0007	-.0002	.0012	
788	3.7101	-.01	2.27	.0746	.0214	-.0154	.0007	-.0002	.0014	
789	4.7140	-.01	3.37	.1145	.0243	-.0197	.0007	-.0002	.0004	
790	5.2207	-.00	4.45	.1488	.0285	-.0231	.0007	.0000	.0011	
791	5.4044	-.00	5.55	.1850	.0342	-.0263	.0003	-.0001	.0007	
792	5.5559	-.01	6.63	.2201	.0411	-.0292	.0007	-.0000	.0000	
793	5.1552	-.00	7.73	.2529	.0491	-.0313	.0003	-.0000	.0000	
794	4.8849	-.00	8.80	.2849	.0583	-.0334	.0007	.0001	.0004	
795	4.3160	-.00	10.01	.3539	.0620	-.0355	.0004	-.0000	.0004	
796	3.7944	-.00	11.20	.4145	.1107	-.0375	.0000	-.0002	.0006	
797	3.7448	-.01	14.40	.4839	.1445	-.0378	.0013	-.0002	.0005	
798	2.9779	.02	17.61	.5497	.1844	-.0388	.0009	-.0003	-.0002	
799	2.6667	-.00	19.82	.6129	.2299	-.0382	.0011	-.0004	.0003	
800	-.9432	-.02	.13	.0105	.0197	-.0071	.0004	-.0002	.0016	

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STABILITY AXIS			PRJ 1110		RUM 61		MACM 2.70		
PT	L/D	BETA	ALPHA	CL	CD	CP	CLS	CNS	CV
001	-4.6399	3.02	-6.46	-.2061	.0444	.0098	.0010	.0019	-.0199
002	-4.5370	3.02	-4.27	-.1399	.0708	.0072	.0012	.0011	-.0146
003	-2.0357	3.02	-2.07	-.0628	.0222	.0015	.0011	.0002	-.0125
004	-1.4457	3.03	-1.01	-.0334	.0203	-.0022	.0009	-.0004	-.0117
005	-.3174	3.03	.14	.0762	.0195	-.0045	.0015	-.0010	-.0110
006	2.1942	3.03	1.18	.0439	.0198	-.0110	.0012	-.0012	-.0101
007	3.7533	3.02	2.77	.7807	.0214	-.0155	.0005	-.0015	-.0105
008	4.7432	3.03	3.27	.1108	.0244	-.0195	.0014	-.0020	-.0090
009	5.1365	3.03	4.44	.1450	.0282	-.0232	.0004	-.0070	-.0104
010	5.3445	3.04	5.52	.1797	.0336	-.0260	.0002	-.0017	-.0107
011	5.3632	3.04	6.63	.2196	.0410	-.0287	-.0007	-.0017	-.0119
012	5.1733	3.04	7.74	.2547	.0500	-.0304	-.0010	-.0014	-.0125
013	4.8946	3.04	8.81	.2830	.0587	-.0337	-.0016	-.0012	-.0131
014	4.2107	3.04	11.02	.1918	.0816	-.0363	-.0024	-.0004	-.0140
015	3.7963	3.04	13.18	.4144	.1092	-.0377	-.0034	.0000	-.0148
016	3.2494	3.04	15.39	.4814	.1444	-.0388	-.0040	.0001	-.0136
017	2.9736	3.03	17.61	.5409	.1899	-.0393	-.0044	.0002	-.0138
018	2.6610	3.03	19.82	.6123	.2301	-.0397	-.0051	.0015	-.0143
019	.6637	3.03	.10	.0125	.0195	-.0075	.0014	-.0010	-.0100

BODY AXIS		PRJ 1110		RUM 62		MACM 2.70			
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CV
020	413.30	-4.04	.13	.0044	.0199	-.0072	-.0306	.0002	.0204
021	413.23	-2.02	.12	.0109	.0194	-.0070	-.0000	.0004	.0090
022	413.16	-1.04	.12	.0005	.0193	-.0067	-.0001	.0002	.0052
023	413.56	-.02	.13	.0067	.0193	-.0068	.0003	-.0002	.0013
024	413.12	1.02	.14	.0109	.0192	-.0072	.0008	-.0005	.0070
025	413.41	2.02	.15	.0126	.0193	-.0072	.0017	-.0009	.0057
026	413.25	4.04	.15	.0000	.0197	-.0067	.0016	-.0009	.0134
027	413.27	6.10	.15	.0070	.0204	-.0065	.0018	-.0004	.0201
028	412.42	-8.00	.14	.0004	.0193	-.0073	.0007	-.0001	.0014

BODY AXIS		PRJ 1110		RUM 63		MACM 2.70			
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CV
029	413.63	4.07	4.41	.1629	.0172	-.0231	.0002	.0020	.0175
030	413.45	2.16	4.45	.1540	.0169	-.0242	.0009	.0014	.0292
031	413.27	-1.04	4.45	.1514	.0169	-.0232	.0004	.0004	.0047
032	413.32	-.02	4.46	.1539	.0169	-.0231	.0004	.0000	.0012
033	413.45	1.02	4.46	.1514	.0167	-.0234	.0007	-.0000	-.0022
034	413.19	2.01	4.46	.1432	.0167	-.0234	.0009	-.0013	-.0040
035	413.45	4.00	4.46	.1533	.0170	-.0229	.0005	-.0025	.0157
036	413.52	6.12	4.45	.1519	.0173	-.0227	.0001	-.0027	.0246
037	413.58	-8.00	4.45	.1525	.0169	-.0233	.0005	.0001	.0010

BODY AXIS		PRJ 1110		RUM 64		MACM 2.70			
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CV
038	413.64	-4.07	10.40	.3557	.0199	-.0350	.0040	.0014	.0202
039	413.12	-7.07	11.00	.2642	.0131	-.0261	.0025	.0008	.0090
040	413.36	-1.02	10.40	.3610	.0131	-.0263	.0012	.0004	.0040
041	413.44	-.00	11.01	.3610	.0129	-.0259	.0005	.0000	.0001
042	413.30	1.02	11.01	.3641	.0128	-.0256	-.0005	-.0004	-.0043
043	413.44	2.02	11.01	.3639	.0128	-.0254	-.0012	-.0008	-.0086
044	413.32	4.00	11.01	.3631	.0131	-.0250	-.0032	-.0013	-.0145
045	413.32	6.12	11.01	.3619	.0135	-.0247	-.0032	-.0020	-.0246
046	413.30	-8.00	10.40	.3583	.0130	-.0246	.0001	.0001	.0002



# APPENDIX

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STABILITY AXIS									
PRJ 1116									
RUN 63									
MACH 1.00									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CMS	CV
859	-5.3680	-0.07	-6.92	-0.3470	.0646	.0674	-.0000	-.0007	.0029
860	-5.4041	-0.07	-6.58	-.0289	.0409	.0524	.0002	-.0008	.0028
861	-3.7171	-0.07	-2.24	-.1043	.0281	.0253	.0003	-.0006	.0022
862	-1.8515	-0.07	-1.13	-.0468	.0253	.0119	.0000	-.0004	.0013
863	.6420	-0.07	.08	.0155	.0241	-.0004	.0702	-.0004	.0015
864	2.8776	-0.07	1.17	.0701	.0244	-.0110	-.0001	-.0002	.0010
865	4.4980	-0.07	2.37	.1292	.0264	-.0233	.0003	-.0002	.0008
866	6.2109	.00	3.49	.1947	.0311	-.0368	.0005	-.0006	.0015
867	8.1636	.00	4.66	.2478	.0393	-.0499	.0005	-.0004	.0017
868	10.2696	.00	5.81	.2949	.0504	-.0599	.0009	-.0001	.0002
869	12.4827	.00	6.98	.3348	.0641	-.0701	.0009	-.0001	-.0004
870	14.7526	.00	8.15	.3679	.0803	-.0812	.0004	-.0006	-.0001
871	17.0246	.01	9.32	.3989	.0993	-.0926	.0004	-.0005	-.0003
872	19.2942	.02	11.61	.4170	.1137	-.1100	.0002	-.0002	-.0006
873	21.6901	-0.00	.00	.4165	.0240	-.0009	.0000	-.0003	.0013

STABILITY AXIS									
PRJ 1116									
RUN 64									
MACH 1.00									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CMS	CV
874	-5.3936	3.00	-6.93	-.3480	.0647	.0674	.0036	.0063	-.0206
875	-5.4082	2.99	-6.58	-.2302	.0611	.0524	.0073	.0074	-.0226
876	-3.8166	2.99	-2.78	-.1370	.0280	.0260	.0106	.0076	-.0279
877	-1.8612	2.99	-1.12	-.0467	.0251	.0131	-.0002	.0072	-.0225
878	.5993	3.00	.08	.0140	.0239	-.0002	.0016	.0070	-.0224
879	3.0138	3.00	1.19	.0727	.0241	-.0117	-.0028	.0068	-.0221
880	4.9768	3.00	2.32	.1306	.0262	-.0251	-.0047	.0069	-.0229
881	6.1712	3.00	3.48	.1920	.0311	-.0368	-.0056	.0071	-.0240
882	8.4645	3.01	4.63	.2529	.0390	-.0517	-.0067	.0069	-.0240
883	10.8211	3.01	5.81	.3168	.0501	-.0621	-.0072	.0070	-.0243
884	13.2998	3.01	6.98	.3776	.0641	-.0721	-.0074	.0069	-.0228
885	15.8526	3.01	8.16	.4372	.0802	-.0829	-.0076	.0063	-.0226
886	18.4324	3.01	9.31	.4974	.0989	-.0934	-.0080	.0069	-.0232
887	21.0900	3.00	11.65	.5166	.1136	-.1171	-.0087	.0061	-.0206
888	23.8984	3.00	.00	.5166	.0238	-.0001	-.0017	.0071	-.0226

SCCV AXIS									
PRJ 1116									
RUN 67									
MACH 1.00									
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CV
889	481.52	-4.01	.09	.0176	.0240	-.0005	.0023	-.0102	.0334
890	481.31	-1.99	.09	.0170	.0238	-.0001	.0013	-.0054	.0179
891	481.52	-1.07	.08	.0150	.0230	.0001	.0008	-.0029	.0044
892	481.39	-.02	.08	.0163	.0237	-.0003	.0002	-.0004	.0012
893	481.63	.97	.09	.0159	.0237	-.0005	-.0002	.0022	-.0040
894	481.67	2.01	.08	.0153	.0237	-.0000	-.0004	.0043	-.0138
895	481.47	4.02	.09	.0157	.0239	-.0002	-.0024	.0094	-.0313
896	481.52	6.06	.09	.0182	.0241	-.0018	-.0038	.0140	-.0478
897	481.43	-0.09	.09	.0187	.0237	-.0003	-.0001	-.0003	.0012

SCCV AXIS									
PRJ 1116									
RUN 68									
MACH 1.00									
PT	DYN PRS	BETA	ALPHA	CM	CA	CM	CLB	CMB	CV
898	481.47	-4.03	4.64	.2574	.0183	-.0515	.0007	-.0093	.0347
899	481.52	-2.00	4.65	.2498	.0182	-.0506	.0057	-.0251	.0181
900	481.39	-1.01	4.65	.2482	.0180	-.0502	.0034	-.0032	.0105
901	481.47	.00	4.65	.2585	.0179	-.0494	.0006	-.0006	.0018
902	481.35	.99	4.65	.2579	.0179	-.0490	-.0025	.0021	-.0077
903	481.60	2.02	4.65	.2600	.0179	-.0512	-.0152	.0067	-.0148
904	481.63	4.04	4.64	.2574	.0187	-.0510	-.0084	.0081	-.0133
905	481.52	6.06	4.66	.2567	.0193	-.0503	-.0113	.0120	-.0481
906	481.46	-0.07	4.64	.2560	.0178	-.0494	.0008	-.0304	.0009

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BODY AXIS			PRJ 1116			RUN 69			MACH 1.60		
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	LB	CMB	CY		
907	481.31	-4.05	11.62	.6273	.0155	-.1158	.0138	-.0063	.0284		
908	481.14	-2.00	11.63	.6324	.0157	-.1163	.0072	-.0072	.0119		
909	481.26	-1.03	11.62	.6316	.0158	-.1157	.0040	-.0009	.0052		
910	481.39	-.02	11.64	.6339	.0159	-.1157	.0004	-.0001	-.0006		
911	481.22	1.02	11.64	.6378	.0152	-.1157	-.0027	.0006	-.0044		
912	481.22	2.03	11.64	.6352	.0159	-.1161	-.0058	.0015	-.0119		
913	481.22	4.06	11.64	.6349	.0154	-.1156	-.0128	.0052	-.0284		
914	481.22	6.09	11.61	.6239	.0153	-.1123	-.0182	.0088	-.0441		
915	481.22	-.02	11.65	.6372	.0159	-.1154	.0005	-.0001	-.0008		

STABILITY AXIS			PRJ 1116		RUN 70		MACH 2.00		
PT	L/D	BETA	ALPHA	CL	CO	CM	CLS	CNS	CY
916	-5.3451	-.02	-6.72	-.2753	.0511	.0526	.0302	-.0003	.0019
917	-5.7696	-.02	-7.92	-.1754	.0333	.0382	.0001	-.0003	-.0021
918	-2.8194	-.02	-1.67	-.0668	.0237	.0164	.0002	-.0003	.0014
919	-.7549	-.02	-.55	-.0168	.0219	.0055	.0002	-.0004	.0017
920	1.7022	-.02	.64	.0370	.0217	-.0061	.0300	-.0003	.0014
921	3.6867	-.02	1.70	.0850	.0231	-.0164	.0002	-.0004	.0017
922	5.2365	-.02	2.44	.1174	.0262	-.0275	.0002	-.0007	.0020
923	5.9659	-.02	3.97	.1881	.0315	-.0381	.0001	-.0004	.0012
924	6.7978	-.02	5.10	.2358	.0387	-.0459	-.0001	-.0003	.0010
925	5.9433	-.02	6.23	.2868	.0482	-.0559	.0001	-.0004	.0010
926	5.5947	-.02	7.27	.3369	.0602	-.0652	.0002	-.0004	.0007
927	5.2215	-.02	8.50	.3881	.0744	-.0745	.0003	-.0002	.0003
928	4.8471	-.02	9.63	.4360	.0900	-.0832	.0003	-.0001	.0002
929	4.1754	-.02	11.91	.5768	.1262	-.0946	.0000	-.0004	.0002
930	3.6246	-.02	14.19	.6119	.1688	-.0995	.0002	-.0002	.0003
931	3.4429	-.02	15.07	.6441	.1871	-.1019	.0001	.0002	.0012
932	1.7909	-.02	.64	.0391	.0218	-.0067	.0002	-.0003	.0015

STABILITY AXIS			PRJ 1116		RUN 71		MACH 2.00		
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY
933	-5.3328	3.03	-6.22	-.2732	.0512	.0506	.0018	.0052	-.0202
934	-5.1861	3.02	-2.26	-.1721	.0334	.0345	-.0002	.0053	-.0203
935	-2.8260	3.02	-1.67	-.0678	.0240	.0143	-.0010	.0054	-.0203
936	-.7463	3.02	-.55	-.0167	.0224	.0040	-.0015	.0054	-.0205
937	1.6507	3.02	.63	.0365	.0221	-.0066	.0018	.0051	-.0201
938	3.5894	3.03	1.70	.0837	.0233	-.0161	-.0021	.0049	-.0202
939	5.1186	3.02	2.44	.1359	.0266	-.0268	.0022	.0043	-.0194
940	5.8564	3.03	3.96	.1861	.0318	-.0371	.0023	.0040	-.0195
941	6.0153	3.04	5.10	.2352	.0391	-.0459	.0027	.0042	-.0201
942	5.8778	3.04	6.23	.2857	.0486	-.0536	.0032	.0040	-.0200
943	5.5731	3.04	7.26	.3343	.0600	-.0628	.0040	.0037	-.0193
944	5.2080	3.04	8.49	.3833	.0736	-.0716	.0046	.0037	-.0196
945	4.8304	3.04	9.63	.4309	.0892	-.0789	.0045	.0040	-.0205
946	4.1708	3.04	11.91	.5247	.1258	-.0912	.0049	.0052	-.0220
947	3.6196	3.04	14.18	.6084	.1681	-.0982	.0054	.0057	-.0215
948	3.4359	3.04	15.04	.6415	.1867	-.1003	.0058	.0058	-.0212
949	1.7059	3.03	.64	.0378	.0222	-.0067	.0019	.0052	-.0204

BODY AXIS			PRJ 1116		RUN 72		MACH 2.00		
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY
950	475.16	-4.04	.63	.0362	.0224	-.0068	.0027	-.0046	.0298
951	475.23	-2.00	.64	.0377	.0216	-.0064	.0015	-.0041	.0163
952	475.19	-1.01	.64	.0397	.0215	-.0068	.0011	-.0024	.0094
953	475.12	-.00	.64	.0408	.0214	-.0074	.0002	-.0002	.0012
954	475.12	1.01	.64	.0398	.0215	-.0072	-.0007	.0019	-.0067
955	475.23	2.07	.64	.0394	.0215	-.0070	.0015	.0038	-.0141
956	475.19	4.02	.63	.0378	.0223	-.0070	-.0024	.0043	-.0274
957	475.14	6.07	.62	.0377	.0231	-.0068	-.0025	.0079	-.0403
958	475.19	-.02	.64	.0406	.0215	-.0076	.0003	-.0063	.0015

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BODY AXIS									
PRJ 1116									
RUN 73									
MACH 2.00									
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY
959	475.16	-4.05	5.09	.2368	.0193	-.0454	.0047	-.0049	.0290
960	475.05	-2.00	5.10	.2401	.0182	-.0459	.0023	-.0035	.0160
961	475.01	-1.03	5.11	.2429	.0179	-.0470	.0014	-.0021	.0087
962	474.98	-.02	5.10	.2423	.0176	-.0472	.0002	-.0003	.0012
963	475.01	-.97	5.11	.2416	.0178	-.0467	.0009	.0014	-.0062
964	475.01	2.00	5.11	.2412	.0179	-.0466	.0020	.0027	-.0131
965	475.05	4.04	5.09	.2369	.0187	-.0454	.0043	.0047	-.0274
966	474.98	6.09	5.07	.2398	.0196	-.0444	.0059	.0055	-.0402
967	475.01	8.00	5.10	.2425	.0177	-.0470	.0092	.0093	-.0611

BODY AXIS									
PRJ 1116									
RUN 74									
MACH 2.00									
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY
968	475.05	-4.07	11.90	.5336	.0156	-.0893	.0081	-.0049	.0294
969	474.94	-2.00	11.91	.5410	.0150	-.0924	.0041	-.0035	.0154
970	475.01	-1.01	11.91	.5413	.0149	-.0937	.0022	-.0026	.0089
971	474.98	-.02	11.91	.5421	.0149	-.0946	.0000	-.0005	.0005
972	474.12	-.99	11.91	.5428	.0149	-.0942	.0019	.0021	-.0088
973	475.09	2.02	11.91	.5412	.0148	-.0932	.0038	.0033	-.0153
974	475.09	4.06	11.90	.5394	.0152	-.0902	.0079	.0049	-.0299
975	475.16	6.12	11.89	.5299	.0157	-.0865	.0112	.0054	-.0427
976	474.98	8.00	11.92	.5452	.0148	-.0944	.0001	-.0004	.0000

STABILITY AXIS									
PRJ 1116									
RUN 75									
MACH 2.36									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY
978	-5.1323	-.00	-5.43	-.2145	.0418	.0270	.0006	-.0004	.0020
979	-4.2521	-.00	-3.18	-.1180	.0277	.0136	.0002	-.0005	.0028
980	-1.0031	-.00	-.92	-.0216	.0216	-.0013	.0012	-.0004	.0026
981	.5364	-.00	.16	.0114	.0212	-.0084	.0010	-.0004	.0025
982	2.6270	-.00	1.32	.0572	.0220	-.0162	.0003	-.0002	.0014
983	4.0214	-.00	2.36	.0949	.0241	-.0229	.0001	-.0000	.0014
984	5.0581	-.00	3.47	.1410	.0279	-.0305	.0003	.0001	.0012
985	5.4914	-.00	4.58	.1824	.0332	-.0379	.0003	-.0001	.0003
986	5.5732	-.00	5.68	.2227	.0401	-.0466	.0010	-.0001	.0008
987	5.4990	-.00	6.80	.2725	.0496	-.0542	.0002	-.0000	.0008
988	5.2171	-.00	7.90	.3110	.0596	-.0615	.0005	-.0002	.0011
989	4.9129	.00	9.01	.3509	.0714	-.0678	.0001	-.0002	.0002
990	4.5725	.00	10.08	.3794	.0830	-.0722	.0002	-.0001	.0002
991	3.9993	.00	12.33	.4633	.1158	-.0790	.0003	-.0002	.0000
992	3.5089	.00	14.52	.5425	.1546	-.0848	.0008	-.0003	.0001
993	3.1000	.00	16.83	.6211	.2004	-.0896	.0011	-.0004	.0000
994	2.9088	.00	18.04	.6534	.2246	-.0915	.0004	-.0003	.0007
995	2.5892	-.00	1.31	.0549	.0220	-.0161	.0009	-.0003	.0019

STABILITY AXIS									
PRJ 1116									
RUN 76									
MACH 2.36									
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY
996	-5.0256	3.03	-5.41	-.2070	.0417	.0253	.0001	.0040	-.0188
997	-4.2472	3.03	-3.17	-.1192	.0281	.0149	.0006	.0032	-.0170
998	-1.6413	3.04	-.97	-.0364	.0222	.0009	.0006	.0023	-.0154
999	.7457	3.04	.17	.0159	.0214	-.0081	.0009	.0014	-.0132
1000	2.7262	3.04	1.32	.0605	.0222	-.0160	.0005	.0007	-.0125
1001	4.215	3.04	2.39	.1054	.0244	-.0239	.0002	.0001	-.0115
1002	5.0021	3.05	3.47	.1390	.0278	-.0312	.0000	-.0004	-.0110
1003	5.5651	3.05	4.59	.1858	.0334	-.0349	.0000	-.0005	-.0115
1004	5.5888	3.05	5.68	.2244	.0402	-.0452	.0007	-.0005	-.0127
1005	5.4515	3.04	6.79	.2653	.0487	-.0531	.0009	-.0002	-.0142
1006	5.1872	3.05	7.89	.3042	.0587	-.0599	.0013	.0005	-.0138
1007	4.8512	3.05	8.97	.3367	.0693	-.0653	.0018	.0006	-.0163
1008	4.5767	3.05	10.11	.3852	.0842	-.0712	.0019	.0008	-.0153
1009	4.0031	3.05	12.33	.4621	.1154	-.0794	.0033	.0014	-.0164
1010	3.5097	3.05	14.59	.5431	.1548	-.0836	.0040	.0021	-.0171
1011	3.1025	3.05	16.81	.6150	.1982	-.0892	.0044	.0027	-.0163
1012	2.9072	3.05	18.04	.6524	.2245	-.0914	.0053	.0033	-.0168
1013	2.6380	3.04	1.32	.0585	.0222	-.0161	.0003	.0009	-.0128

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BODY AXIS		PRJ 1116			RUN 77			MACH 2.36	
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNR	CY
1014	448.93	-4.04	1.31	.0580	.0215	-.0168	.0008	-.0020	.0246
1015	449.30	-2.01	1.23	.0638	.0208	-.0177	.0009	-.0008	.0120
1016	449.30	-1.04	1.31	.0559	.0207	-.0166	.0004	-.0004	.0065
1017	449.25	-.07	1.34	.0638	.0206	-.0162	.0005	-.0001	.0015
1018	448.99	-.98	1.32	.0574	.0206	-.0163	-.0001	-.0000	-.0035
1019	448.06	2.07	1.25	.0647	.0205	-.0170	.0017	-.0002	-.0064
1020	448.22	4.06	1.31	.0544	.0212	-.0165	.0005	.0014	-.0197
1021	448.02	6.11	1.29	.0500	.0220	-.0161	-.0010	.0028	-.0343
1022	448.19	-.07	1.31	.0600	.0206	-.0170	.0011	-.0003	.0019

BODY AXIS			PRJ 1116			RUN 78			MACH 2.36		
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNR	CY		
1023	448.48	-4.07	5.67	.2761	.0184	-.0467	.0026	-.0001	.0271		
1024	448.56	-2.02	5.68	.2258	.0179	-.0464	.0012	.0003	.0100		
1025	448.71	-1.02	5.70	.2342	.0176	-.0470	.0004	.0002	.0057		
1026	448.54	-.00	5.69	.2286	.0177	-.0466	.0002	-.0001	.0009		
1027	448.71	1.02	5.71	.2363	.0175	-.0476	.0002	-.0003	-.0035		
1028	448.93	2.07	5.69	.2317	.0175	-.0467	-.0007	-.0005	-.0082		
1029	449.02	4.07	5.68	.2273	.0180	-.0462	-.0015	-.0007	-.0700		
1030	448.65	6.13	5.67	.2215	.0187	-.0444	-.0025	.0004	-.0333		
1031	448.90	-.02	5.66	.2204	.0178	-.0458	.0001	-.0001	.0011		

BODY AXIS		PRJ 1116			RUN 79			MACH 2.36	
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNR	CY
1032	448.79	-4.07	12.34	.4783	.0144	-.0800	.0058	-.0009	.0237
1033	448.59	-2.02	12.26	.4861	.0141	-.0811	.0033	-.0005	.0115
1034	448.90	-1.02	12.34	.4804	.0141	-.0802	.0018	-.0004	.0064
1035	448.88	-.02	12.32	.4779	.0142	-.0806	.0004	-.0001	.0001
1036	448.84	1.02	12.31	.4755	.0141	-.0805	-.0010	.0002	-.0053
1037	448.73	2.02	12.26	.4858	.0138	-.0805	-.0021	.0003	-.0110
1038	448.96	4.07	12.32	.4753	.0142	-.0797	-.0046	.0008	-.0224
1039	448.96	6.13	12.32	.4770	.0146	-.0775	-.0072	.0007	-.0344
1040	448.59	-.00	12.35	.4851	.0141	-.0806	.0010	-.0001	.0006

STABILITY AXIS		PRJ 1116		RUN 80		MACH 2.70			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY
1041	-4.6945	-.03	-6.44	-.2120	.0452	.0217	-.0001	-.0001	.0020
1042	-4.4719	-.00	-6.27	-.1397	.0312	.0131	.0001	-.0000	.0015
1043	-2.6510	-.01	-2.06	-.0603	.0227	.0034	.0004	.0001	.0017
1044	-1.3172	-.03	-.99	-.0275	.0209	-.0023	.0002	.0001	.0014
1045	-.4895	-.00	.15	.0120	.0203	-.0090	.0008	-.0003	.0015
1046	2.2463	-.00	1.19	.0474	.0209	-.0147	.0003	.0001	.0013
1047	3.9232	-.00	2.31	.0900	.0229	-.0212	.0003	.0000	.0015
1048	4.7961	-.03	3.17	.1253	.0261	-.0276	.0011	-.0001	.0012
1049	5.2495	-.07	4.46	.1634	.0309	-.0337	.0009	-.0001	.0010
1050	5.3854	-.07	5.54	.1984	.0368	-.0397	.0002	.0001	.0008
1051	5.3176	-.00	6.63	.2354	.0443	-.0454	.0005	.0001	.0005
1052	5.1268	-.00	7.71	.2724	.0531	-.0510	.0003	-.0000	.0006
1053	4.8689	-.02	8.81	.3114	.0640	-.0564	.0004	.0000	.0002
1054	4.2429	-.07	11.00	.3802	.0887	-.0645	.0005	.0001	-.0002
1055	3.7661	-.07	13.18	.4486	.1191	-.0702	.0004	-.0000	-.0007
1056	3.3248	-.02	15.39	.5172	.1555	-.0757	.0005	-.0001	-.0002
1057	2.9614	-.00	17.58	.5865	.1981	-.0814	.0003	-.0001	-.0006
1058	2.6422	-.00	19.80	.6552	.2470	-.0853	.0006	-.0004	-.0002
1059	.8748	-.00	.17	.0178	.0203	-.0089	.0012	-.0002	.0022

# APPENDIX

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STABILITY AXIS		PRJ 1116		RUN 81		MACH 2.70			
PT	L/D	BETA	ALPHA	CL	CD	CM	CLS	CNS	CY
1060	-4.7053	3.02	-6.47	-.2194	.0466	.0211	.0006	.0024	-.0177
1061	-4.7484	3.02	-4.26	-.1374	.0313	.0125	.0016	.0012	-.0139
1062	-2.6325	3.02	-2.06	-.0604	.0230	.0026	.0011	.0003	-.0125
1063	-1.3072	3.03	-.99	-.0277	.0212	-.0024	.0009	-.0002	-.0126
1064	-.7678	3.03	-.16	-.0158	.0205	-.0095	.0014	-.0008	-.0110
1065	2.1342	3.03	1.18	.0450	.0211	-.0150	.0011	-.0011	-.0106
1066	3.8739	3.03	2.78	.0874	.0230	-.0212	.0007	-.0013	-.0107
1067	4.7829	3.03	3.26	.1253	.0262	-.0280	.0004	-.0017	-.0111
1068	5.1746	3.04	4.44	.1583	.0306	-.0333	.0002	-.0018	-.0110
1069	5.7911	3.04	5.53	.1949	.0369	-.0396	.0001	-.0019	-.0118
1070	5.2767	3.04	6.63	.2329	.0441	-.0453	.0005	-.0016	-.0121
1071	5.1124	3.03	7.72	.2733	.0534	-.0508	.0008	-.0012	-.0120
1072	4.8313	3.04	8.91	.3060	.0633	-.0560	.0016	-.0011	-.0133
1073	4.2751	3.04	10.98	.3760	.0880	-.0635	.0024	-.0006	-.0135
1074	3.7690	3.04	13.20	.4537	.1205	-.0697	.0033	-.0002	-.0143
1075	3.3262	3.04	15.40	.5222	.1570	-.0761	.0038	.0001	-.0137
1076	2.9542	3.03	17.58	.5849	.1940	-.0812	.0049	.0011	-.0148
1077	2.6468	3.03	19.81	.6590	.2490	-.0853	.0052	.0019	-.0148
1078	-.7655	3.03	.16	-.0158	.0206	-.0098	.0011	-.0008	-.0111

BODY AXIS		PRJ 1116		RUN 82		MACH 2.70			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CMB	CY
1079	412.47	-4.06	.14	.0077	.0210	-.0094	-.0006	.0001	.0205
1080	412.47	-2.04	.16	.0141	.0205	.0095	-.0000	.0005	.0099
1081	412.46	-1.02	.16	.0157	.0203	-.0091	.0003	.0003	.0056
1082	412.31	-.02	.16	.0142	.0203	-.0077	.0003	.0000	.0017
1083	412.38	1.01	.16	.0156	.0203	-.0089	.0007	-.0004	-.0025
1084	412.31	2.03	.17	.0190	.0203	-.0090	.0009	-.0007	-.0064
1085	412.27	4.05	.14	.0093	.0209	-.0096	.0012	-.0006	-.0170
1086	412.44	6.10	.14	.0117	.0216	-.0091	.0015	.0001	-.0299
1087	412.46	-.02	.15	.0112	.0203	-.0082	.0002	-.0001	.0012

BODY AXIS		PRJ 1116		RUN 83		MACH 2.70			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY
1088	412.40	-4.07	4.45	.1608	.0185	-.0332	.0009	.0021	.0195
1089	412.99	-2.04	4.46	.1656	.0183	-.0337	.0006	.0012	.0087
1090	413.36	-1.02	4.43	.1634	.0182	-.0333	.0001	.0007	.0043
1091	412.71	-.02	4.46	.1644	.0182	-.0331	.0003	.0001	.0011
1092	413.80	1.02	4.45	.1650	.0181	-.0335	.0004	-.0005	-.0026
1093	414.02	2.00	4.46	.1653	.0180	-.0336	.0007	-.0011	-.0062
1094	413.98	4.06	4.45	.1605	.0184	-.0332	.0003	-.0022	-.0158
1095	412.84	6.13	4.43	.1548	.0188	-.0323	.0000	-.0024	-.0249
1096	413.99	-.00	4.44	.1606	.0182	-.0331	.0003	.0001	.0012

BODY AXIS		PRJ 1116		RUN 84		MACH 2.70			
PT	DYN PRS	BETA	ALPHA	CN	CA	CM	CLB	CNB	CY
1097	413.80	-4.07	10.99	.3870	.0150	-.0633	.0037	.0013	.0201
1098	413.98	-2.04	11.00	.3882	.0149	-.0640	.0024	.0010	.0099
1099	414.22	-1.04	11.00	.3890	.0148	-.0638	.0013	.0007	.0043
1100	414.11	-.02	11.00	.3869	.0147	-.0635	.0003	.0002	.0002
1101	413.93	1.02	11.00	.3885	.0145	-.0636	.0003	-.0004	-.0041
1102	413.87	2.04	11.00	.3884	.0145	-.0634	.0013	-.0008	-.0091
1103	413.84	4.08	11.00	.3902	.0149	-.0631	.0033	-.0013	-.0197
1104	413.89	6.14	10.99	.3845	.0151	-.0623	.0052	-.0022	-.0316
1105	413.93	-.02	10.99	.3888	.0146	-.0634	.0004	.0002	-.0002

#### REFERENCES

1. Design Conference Proceedings - Technology for Supersonic Cruise Military Aircraft. Volume I. AFFDL-TR-77-85, Vol. I, U.S. Air Force, 1976.
2. Child, R. D.: Design and Analysis of a Supersonic Penetration/Maneuvering Fighter. NASA CR-132633, 1975.
3. Braslow, Albert L.; Hicks, Raymond M.; and Harris, Roy V., Jr.: Use of Grit-Type Boundary-Layer-Transition Strips on Wind-Tunnel Models. NASA TN D-3579, 1966.

TABLE I.- CAMBER, TWIST, AND THICKNESS DISTRIBUTIONS FOR VARYING DIHEDRAL WING

(a) Camber distribution

x/c	Wing camber, z/c, for y/b/2 of -										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	0	0	0	0	0	0	0	0	0	0	0
.05	.0050	.0045	.0045	.0062	.0055	.0042	.0028	.0046	.0042	.0037	.0030
.10	.0096	.0082	.0085	.0109	.0100	.0073	.0095	.0081	.0073	.0065	.0054
.20	.0168	.0138	.0126	.0152	.0160	.0106	.0146	.0119	.0108	.0094	.0080
.30	.0207	.0158	.0140	.0167	.0188	.0112	.0170	.0138	.0118	.0100	.0084
.40	.0206	.0148	.0126	.0171	.0182	.0098	.0168	.0132	.0086	.0093	.0072
.60	.0132	.0085	.0071	.0125	.0110	.0048	.0100	.0083	.0072	.0059	.0043
.80	.0055	.0035	.0029	.0055	.0032	.0020	.0031	.0040	.0034	.0021	.0017
.90	.0014	.0024	.0013	.0013	.0011	.0009	.0010	.0020	.0017	.0012	.0006
1.00	0	0	0	0	0	0	0	0	0	0	0

TABLE I.- Continued

(b) Twist distribution

$y/b/2$	$\epsilon$ , deg
0	5.40
.1	4.40
.2	3.40
.3	2.40
.4	1.45
.5	.60
.6	.45
.7	.10
.8	-.55
.9	-1.55
1.0	-2.85



TABLE I.- Concluded

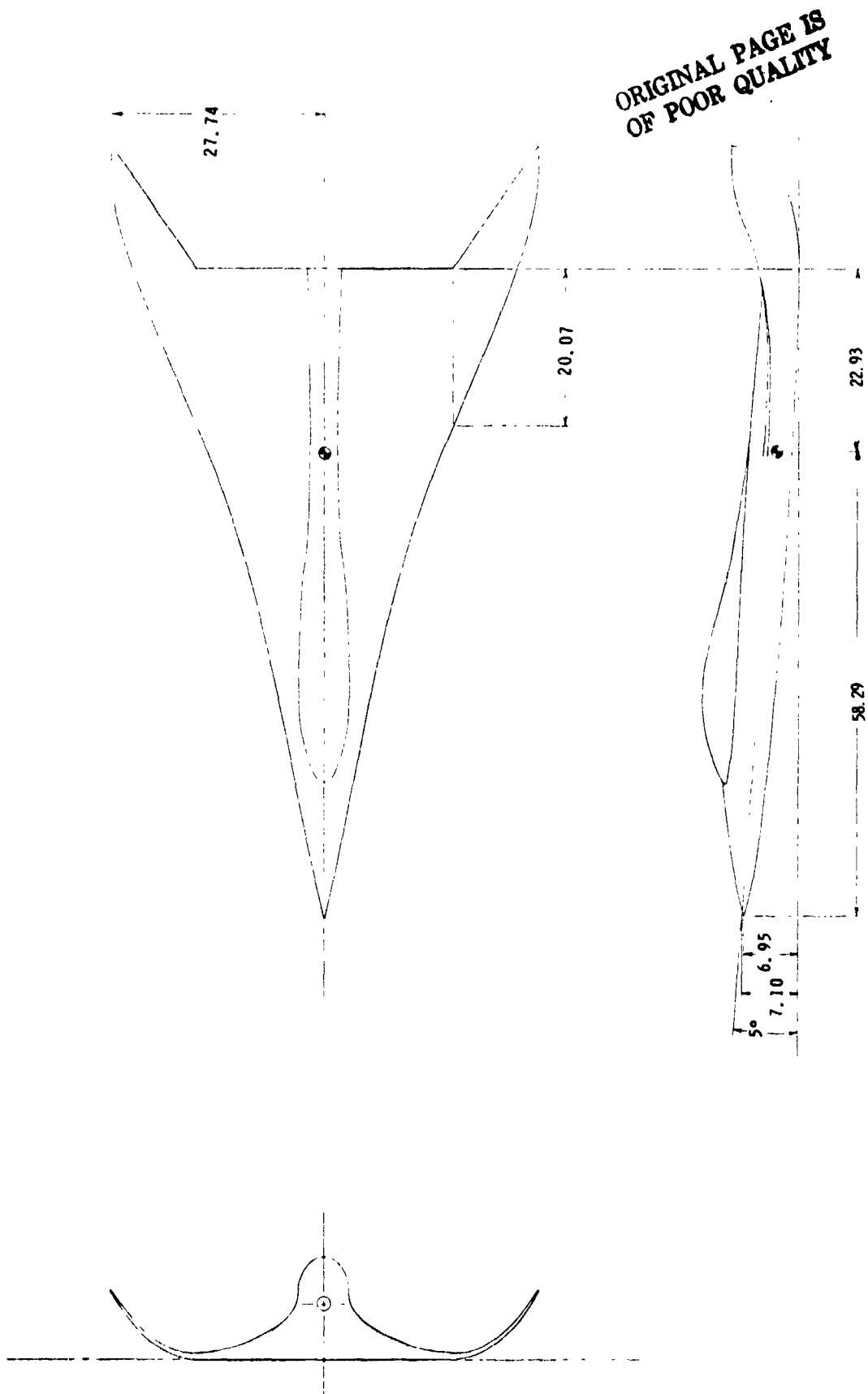
(c) Half-thickness distribution

x/c	Wing half-thickness, $t/2c$ , for $y/b/2$ of -										
	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	0	0	0	0	0	0	0	0	0	0	0
.05	.0175	.0130	.0082	.0090	.0121	.0087	.0074	.0063	.0089	.0089	.0107
.10	.0256	.0200	.0109	.0120	.0161	.0132	.0138	.0089	.0130	.0113	.0136
.20	.0362	.0285	.0142	.0172	.0202	.0194	.0216	.0126	.0168	.0135	.0160
.30	.0416	.0323	.0163	.0194	.0209	.0240	.0251	.0142	.0185	.0145	.0172
.40	.0423	.0321	.0179	.0190	.0195	.0226	.0246	.0150	.0161	.0150	.0175
.60	.0318	.0220	.0204	.0143	.0113	.0160	.0150	.0140	.0130	.0109	.0150
.80	.0147	.0088	.0107	.0076	.0055	.0036	.0046	.0083	.0055	.0079	.0083
.90	.0080	.0039	.0056	.0038	.0024	.0031	.0017	.0038	.0025	.0039	.0042
1.00	0	0	0	0	0	0	0	0	0	0	0

TABLE II.- FLAT WING THICKNESS DISTRIBUTION

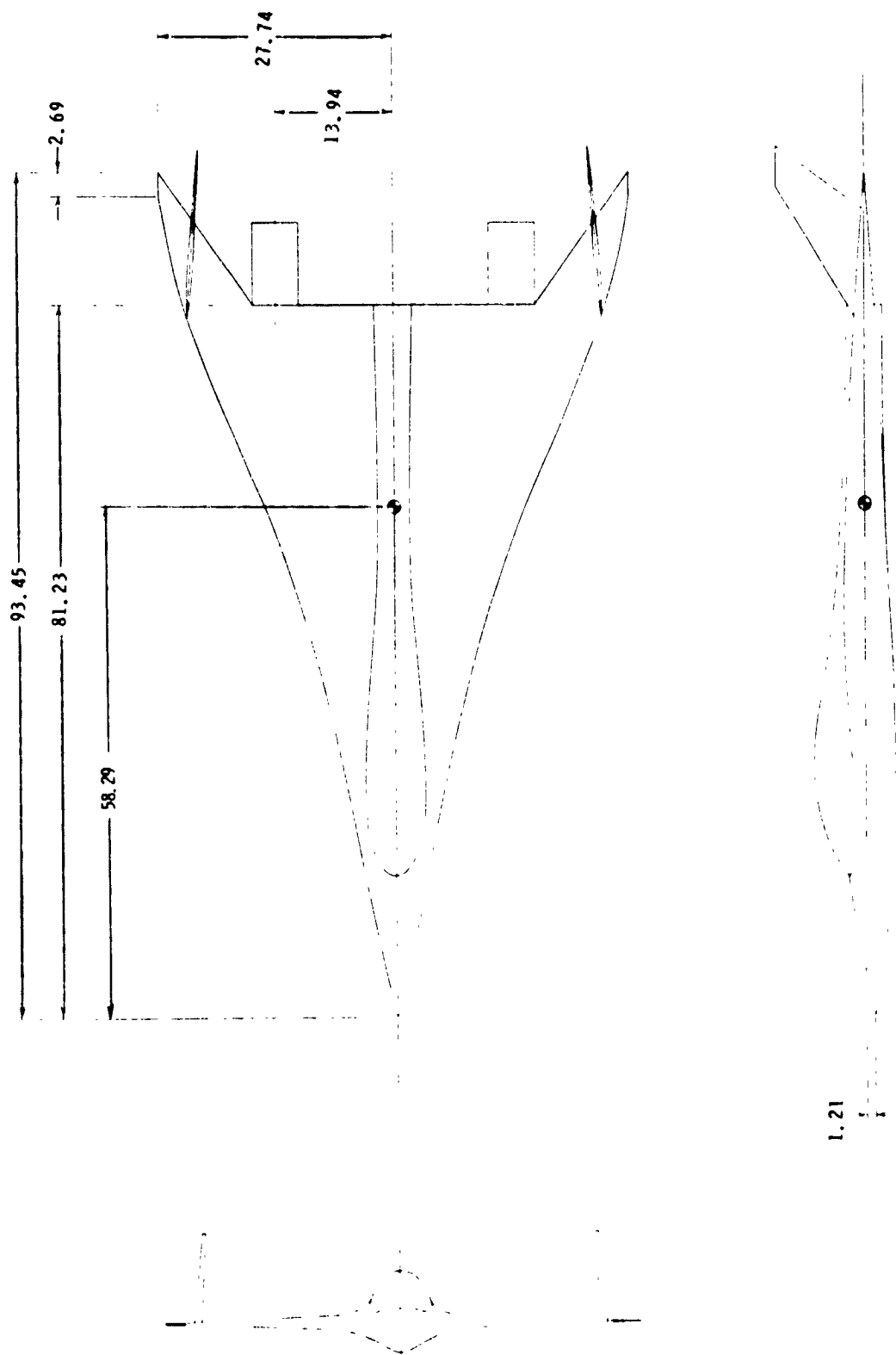
[64A00 (t/2c)<sub>max</sub> airfoil sections]

y/b/2	(t/2c) <sub>max</sub>	c, cm
0	0.0424	81.23
.1	.0323	69.56
.2	.0179	55.90
.3	.0171	44.11
.4	.0209	34.54
.5	.0226	26.62
.6	.0251	20.08
.7	.0250	17.66
.8	.0238	14.81
.9	.0238	11.08
1.0	.0175	2.69



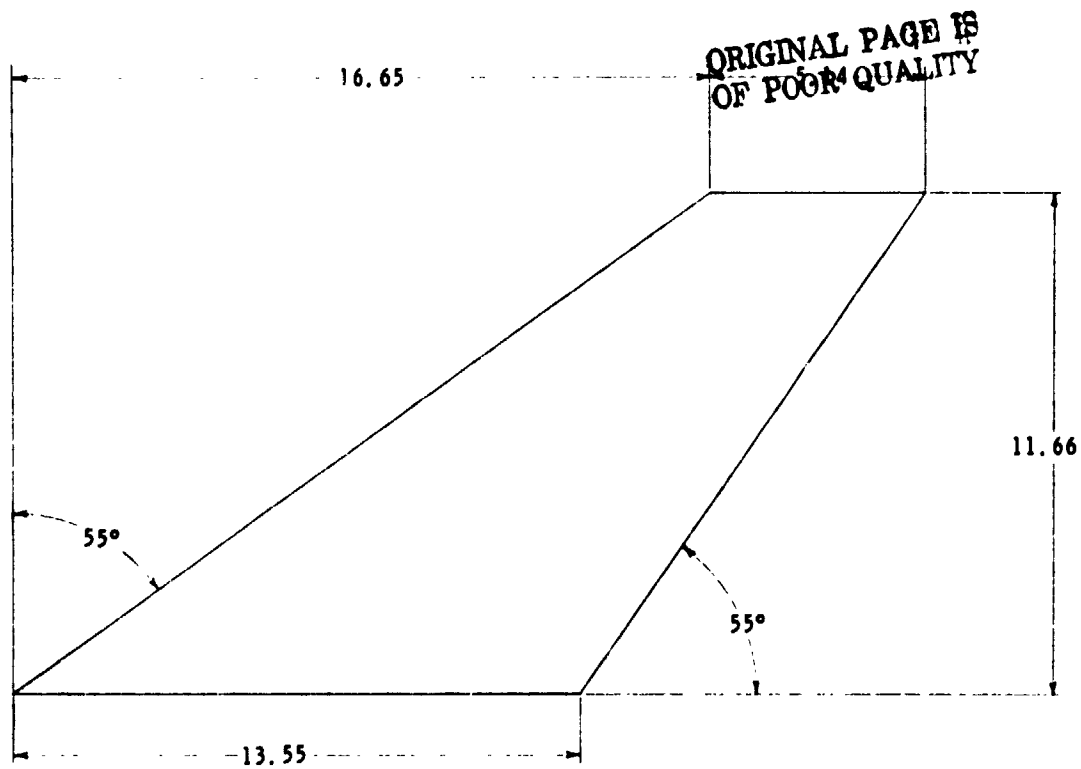
(a) Three-view drawing of varying dihedral model.

Figure 1.- Drawing of models. All dimensions are in centimeters.

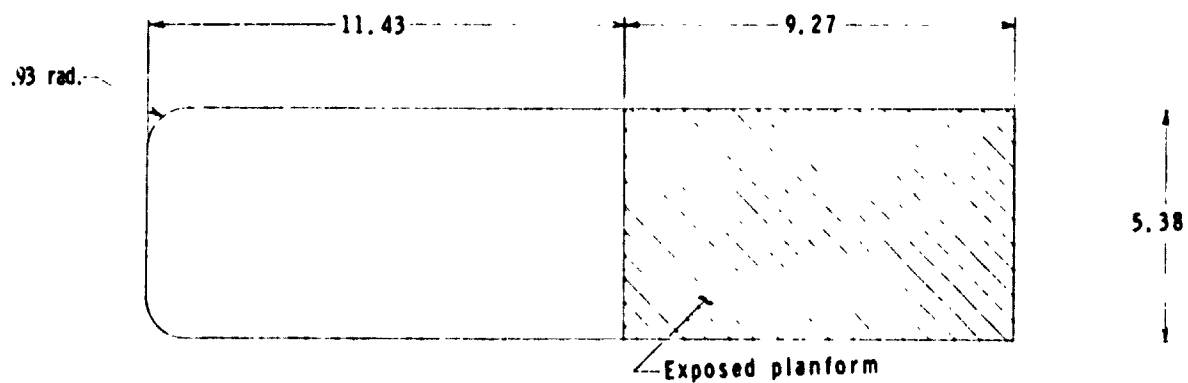


(b) Three-view drawing of flat wing model with outboard vertical tails.

Figure 1.- Continued.

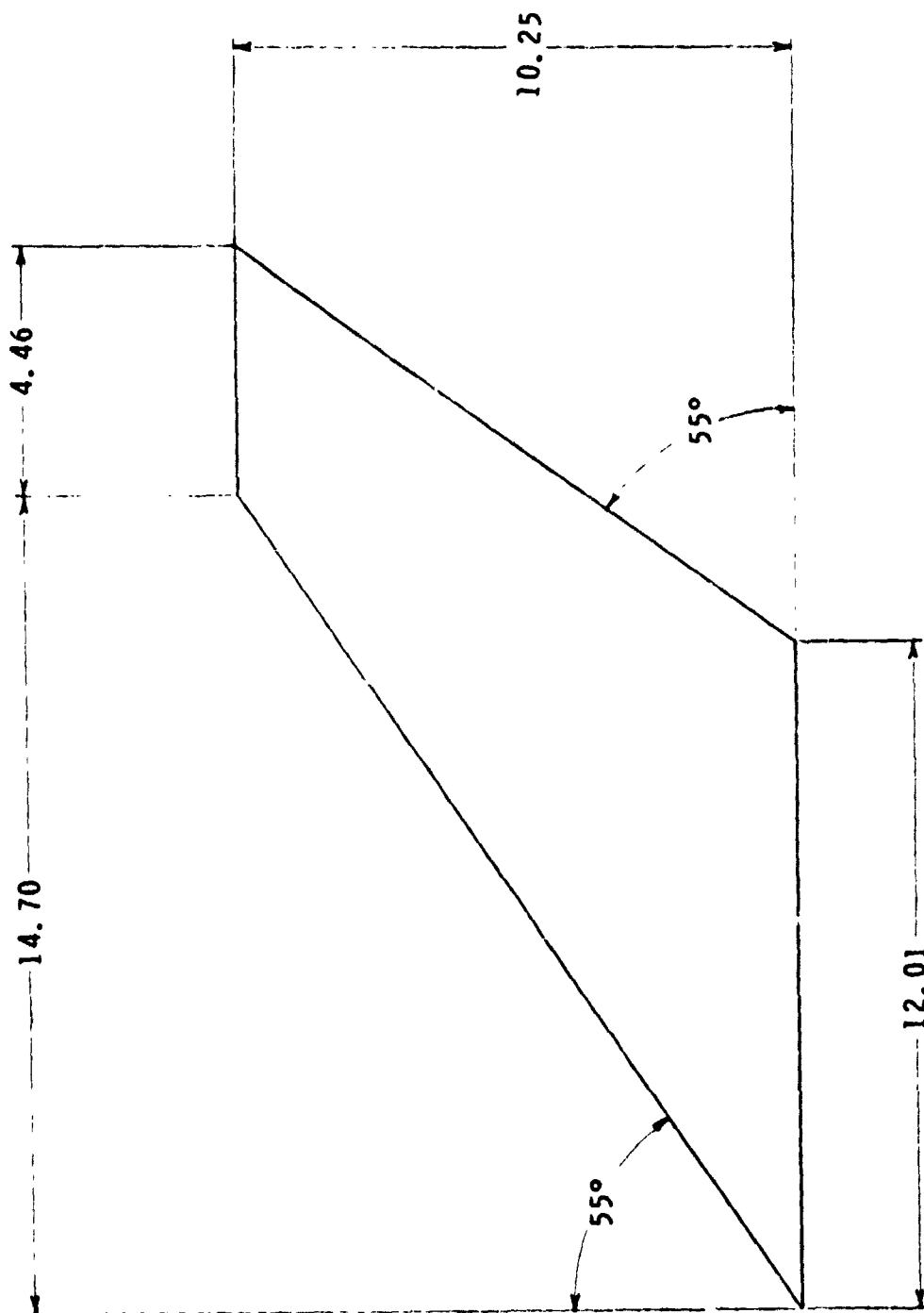


(c) Inboard vertical tail.



(d) Nacelle planform simulator plate.

Figure 1.- Continued.



(e) Outboard vertical tail.

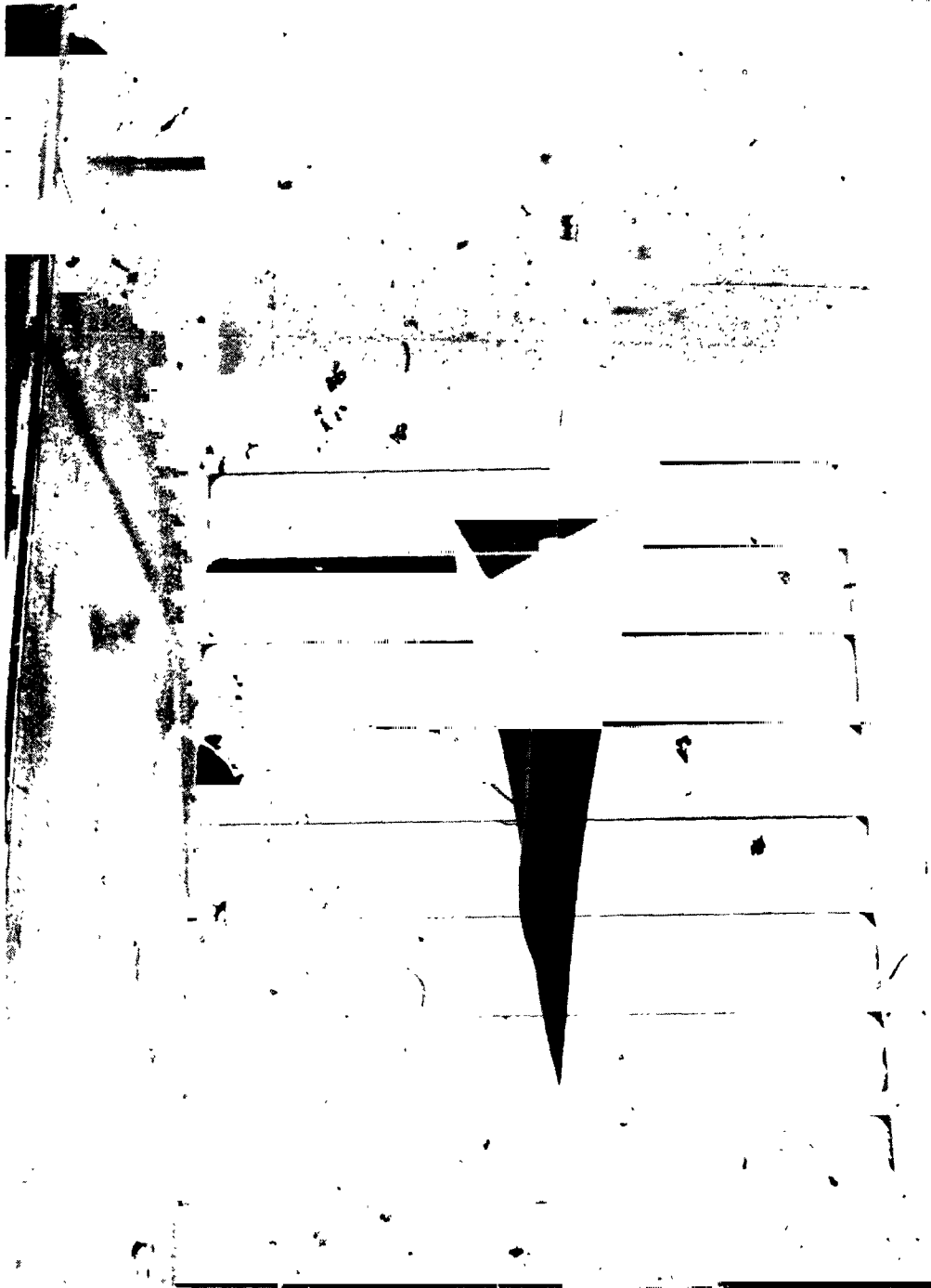
Figure 1.- Concluded.

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L-76-820

(a) Cambered wing.

Figure 2.- Photographs of models in wind tunnel.



L-76-816

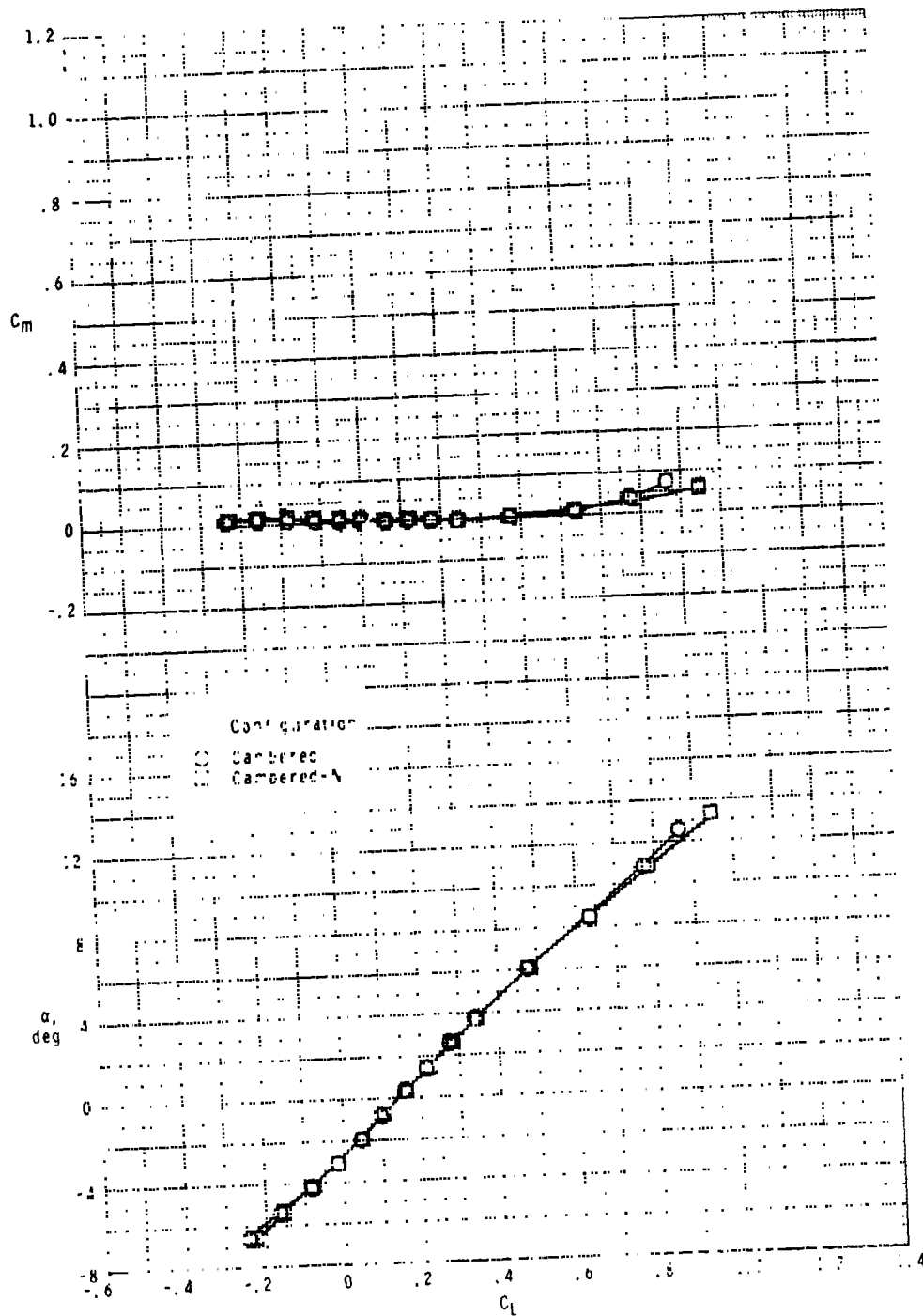
(b) Flat wing.

Figure 2.- Concluded.

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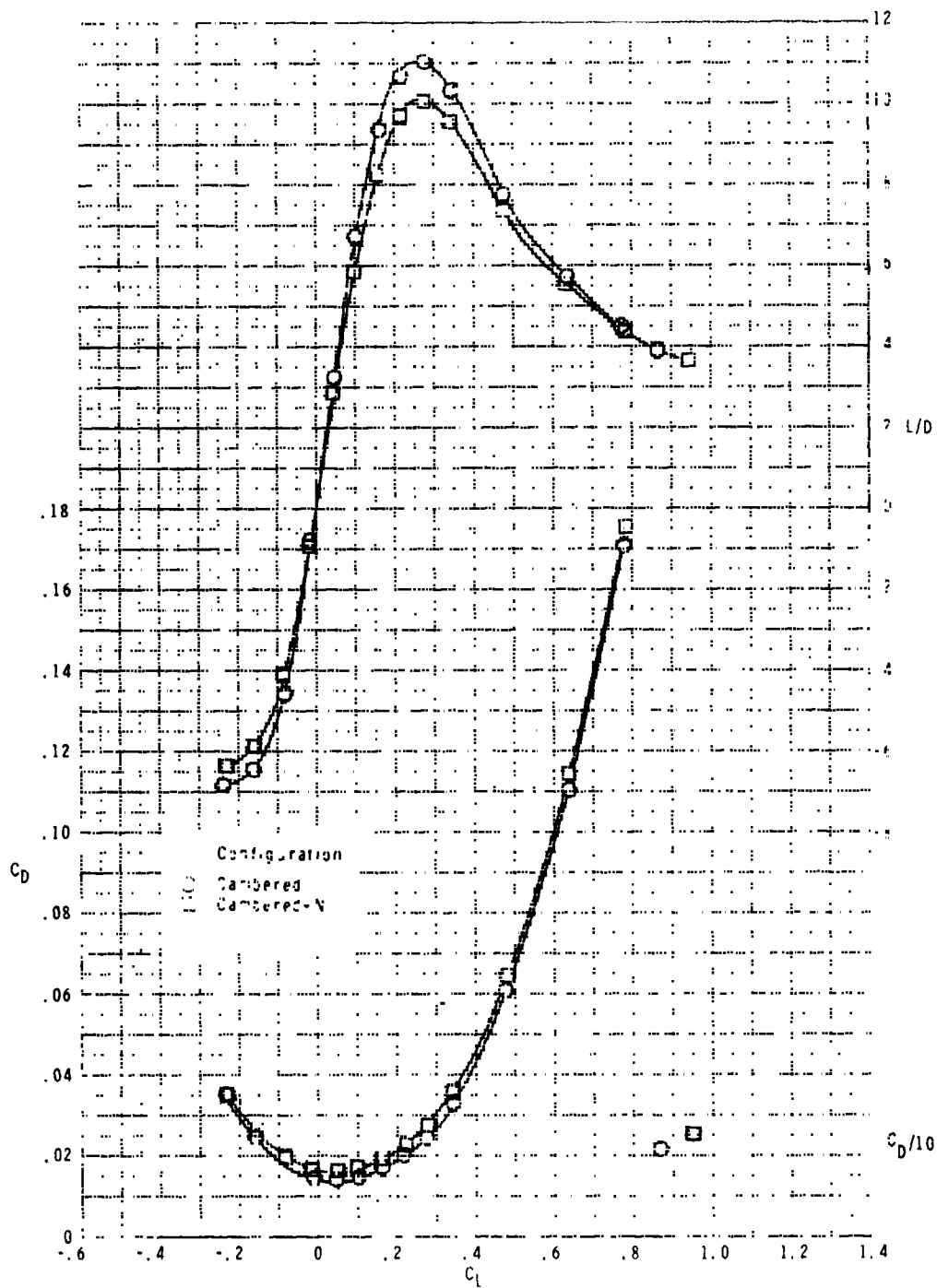


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(a)  $M = 0.60$ .

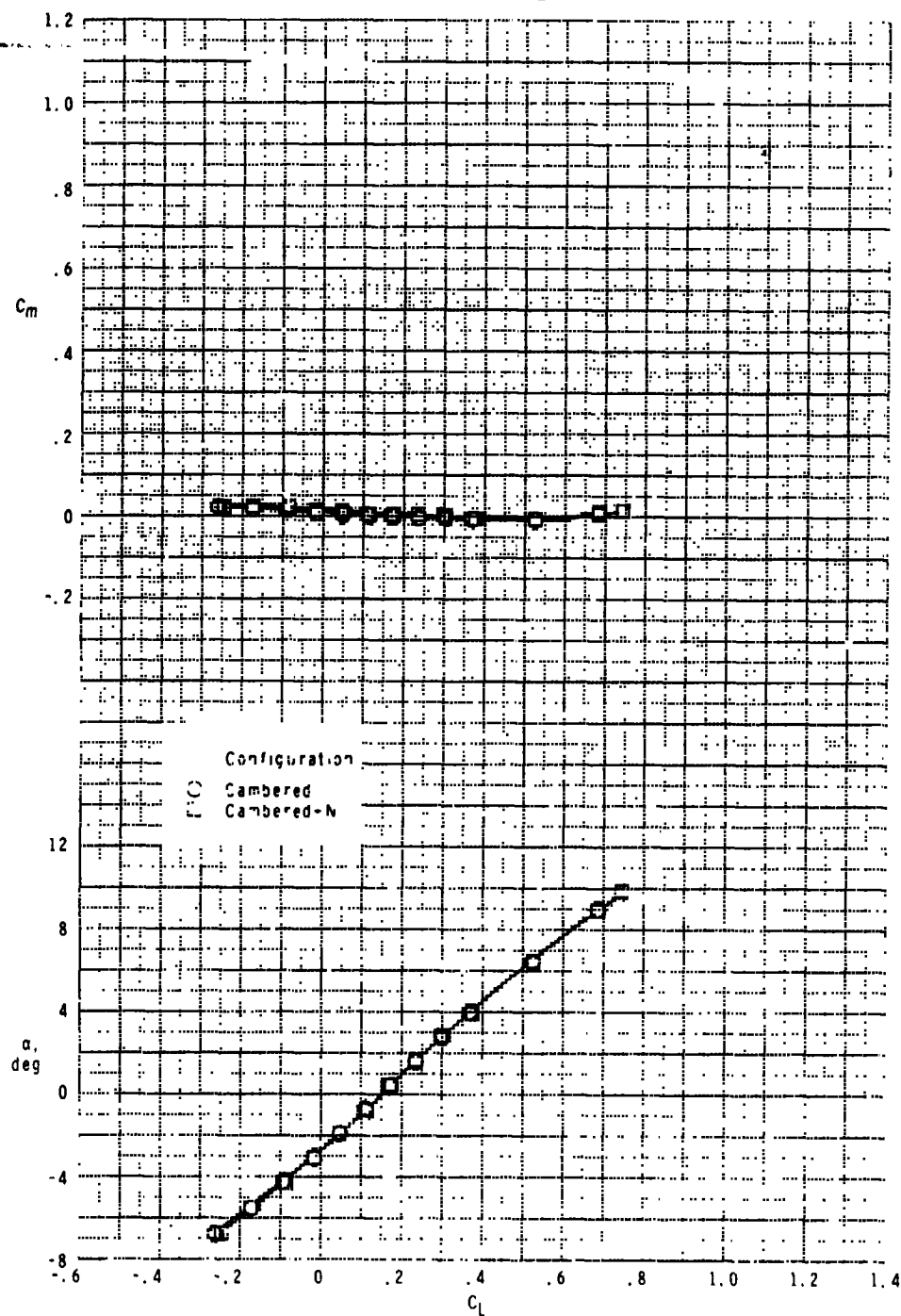
Figure 3.- Subsonic and transonic longitudinal aerodynamic characteristics of cambered wing configurations.



(a) Concluded.

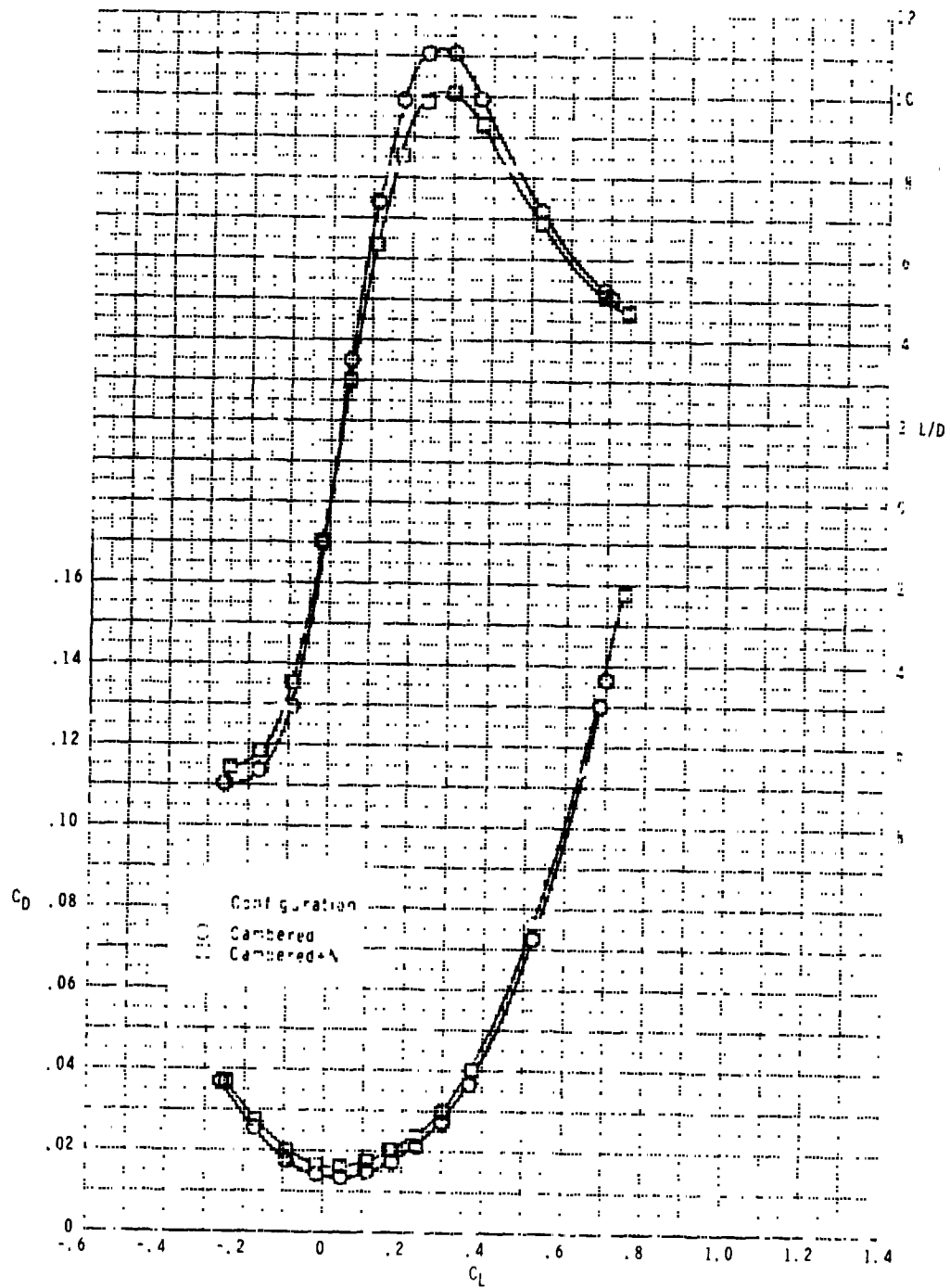
Figure 3.- Continued.

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(b)  $M = 0.80$ .

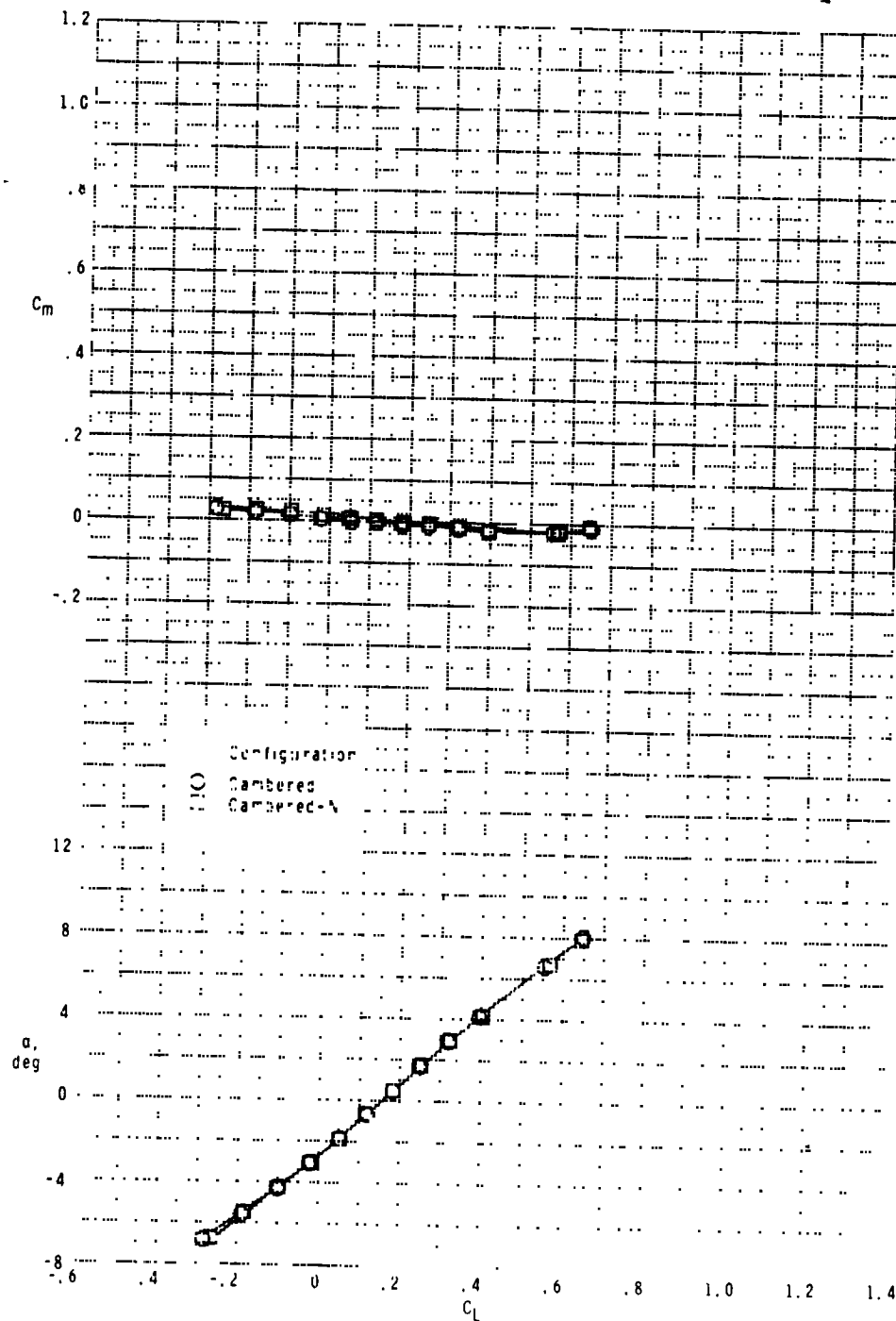
Figure 3.- Continued.



(b) Concluded.

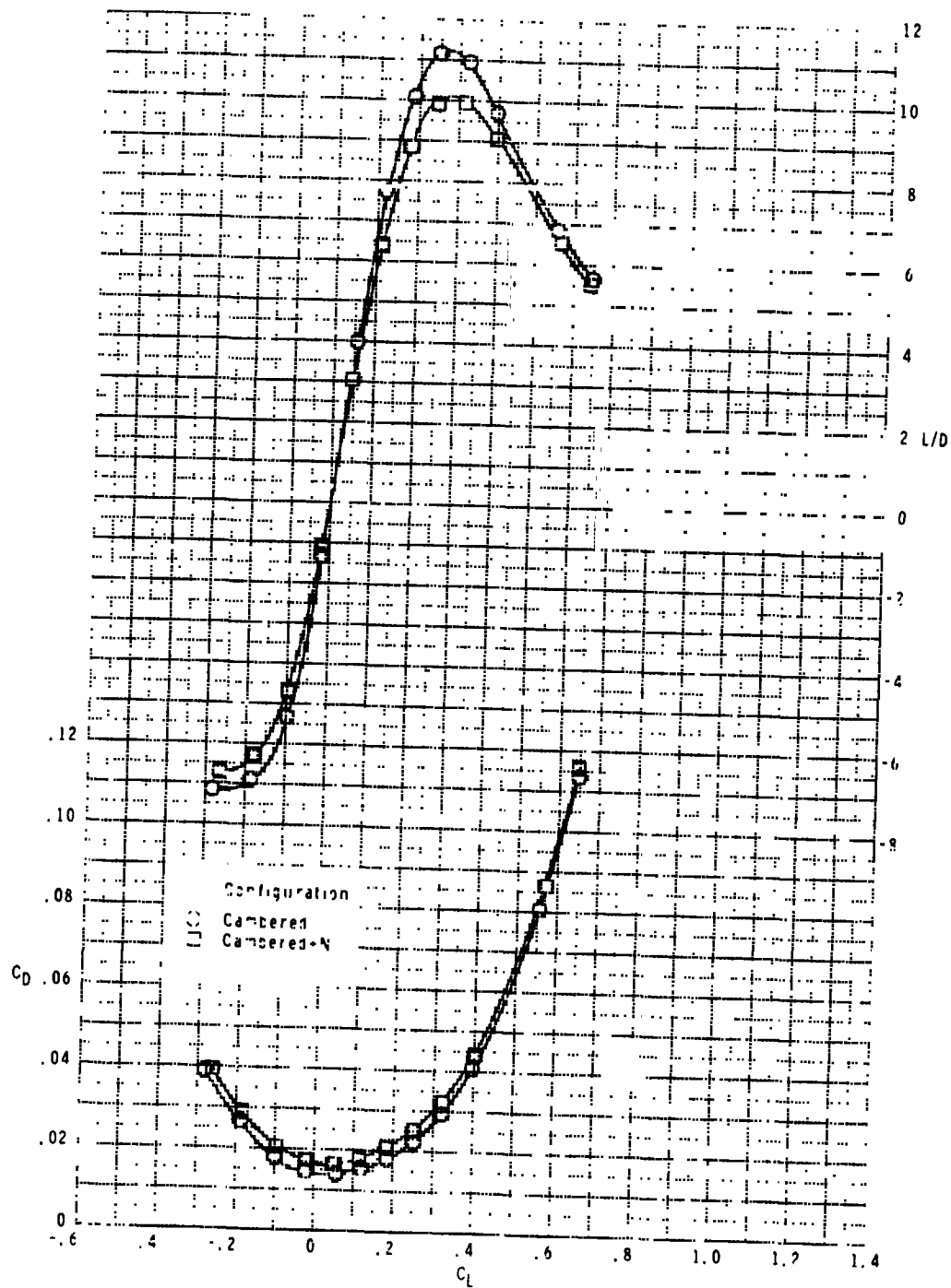
Figure 3.- Continued.

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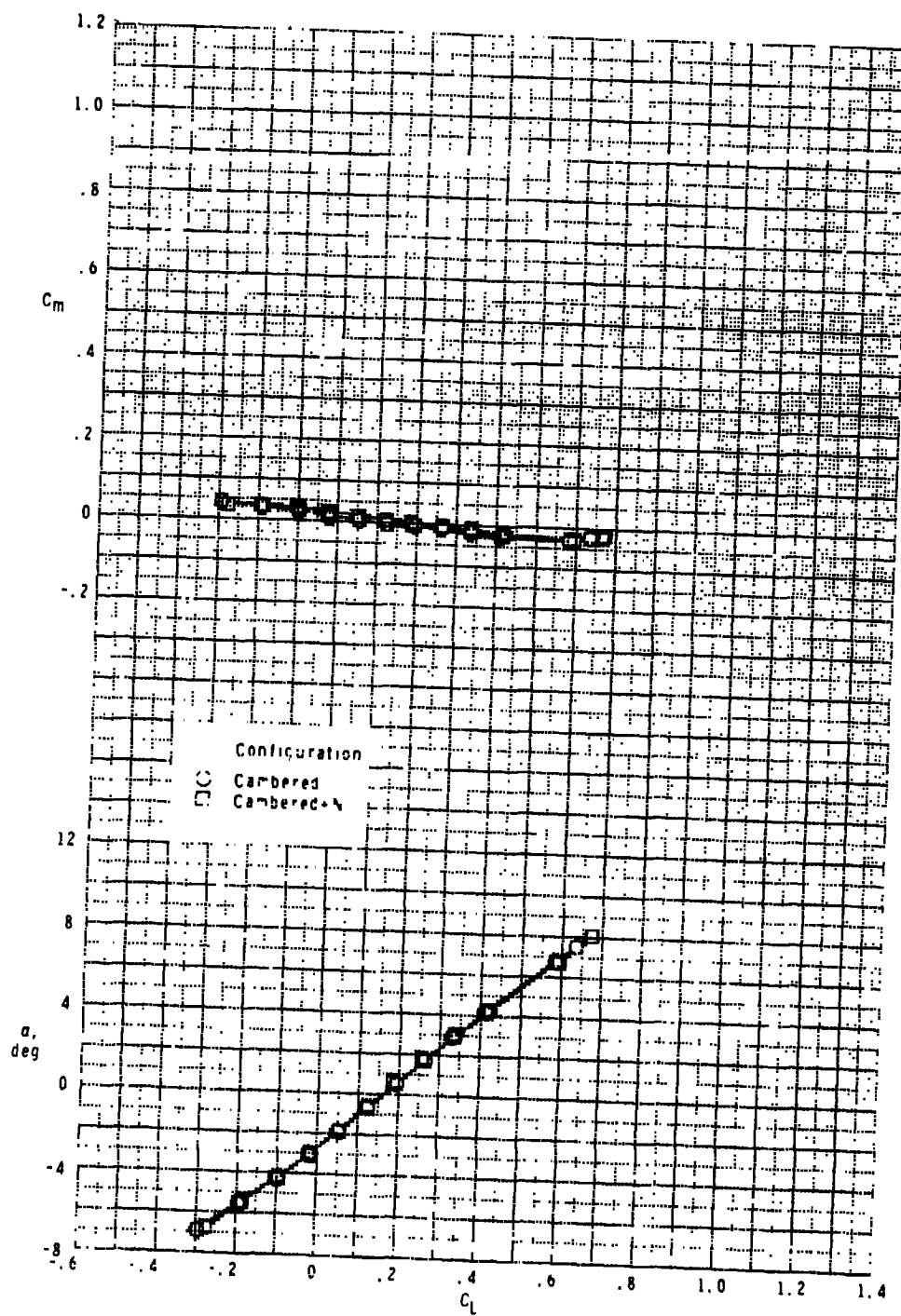
(c)  $M = 0.90$ .

Figure 3.- Continued.



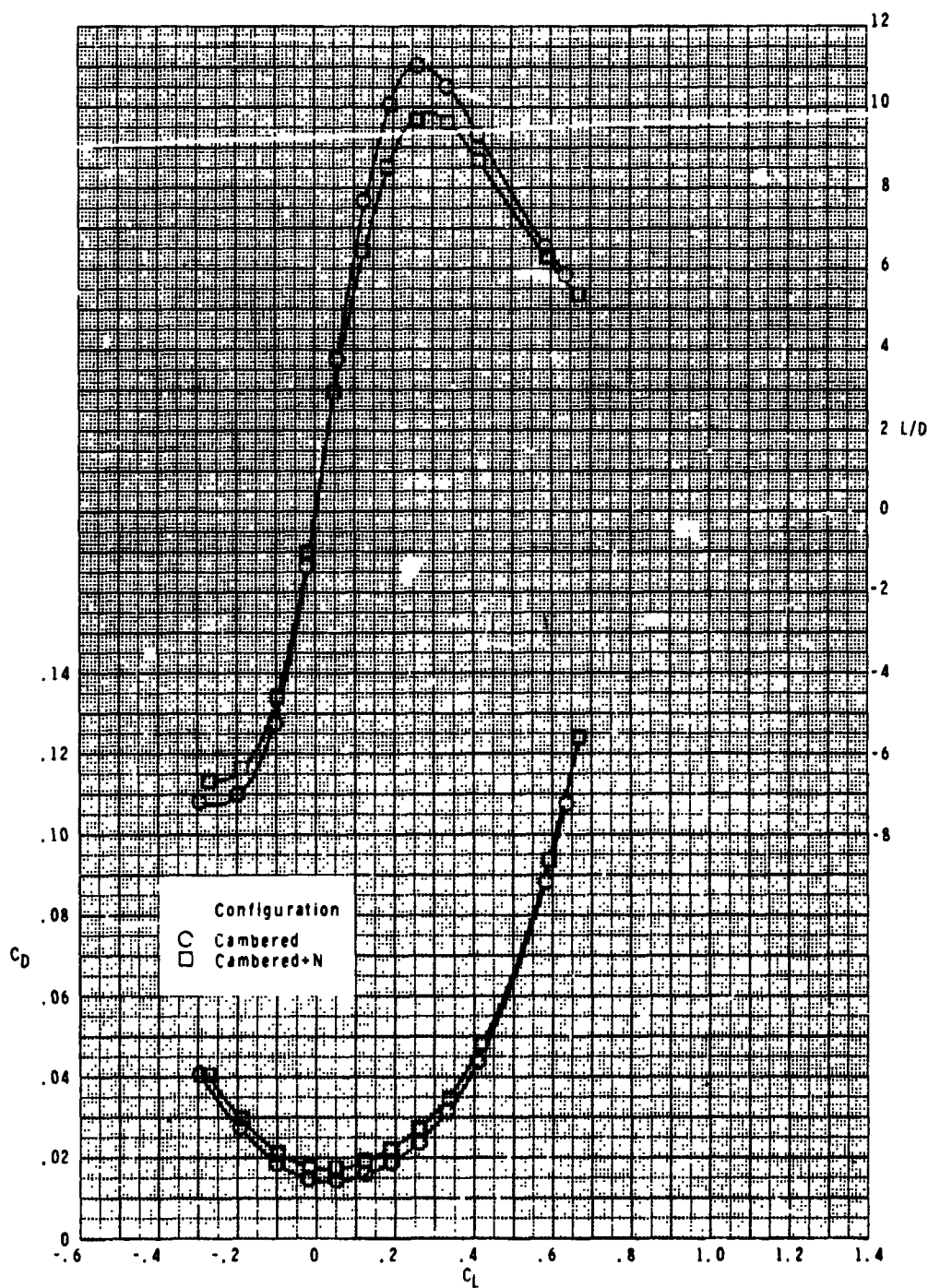
(c) Concluded.

Figure 3.- Continued.



(d)  $M = 0.95$ .

Figure 3.- Continued.

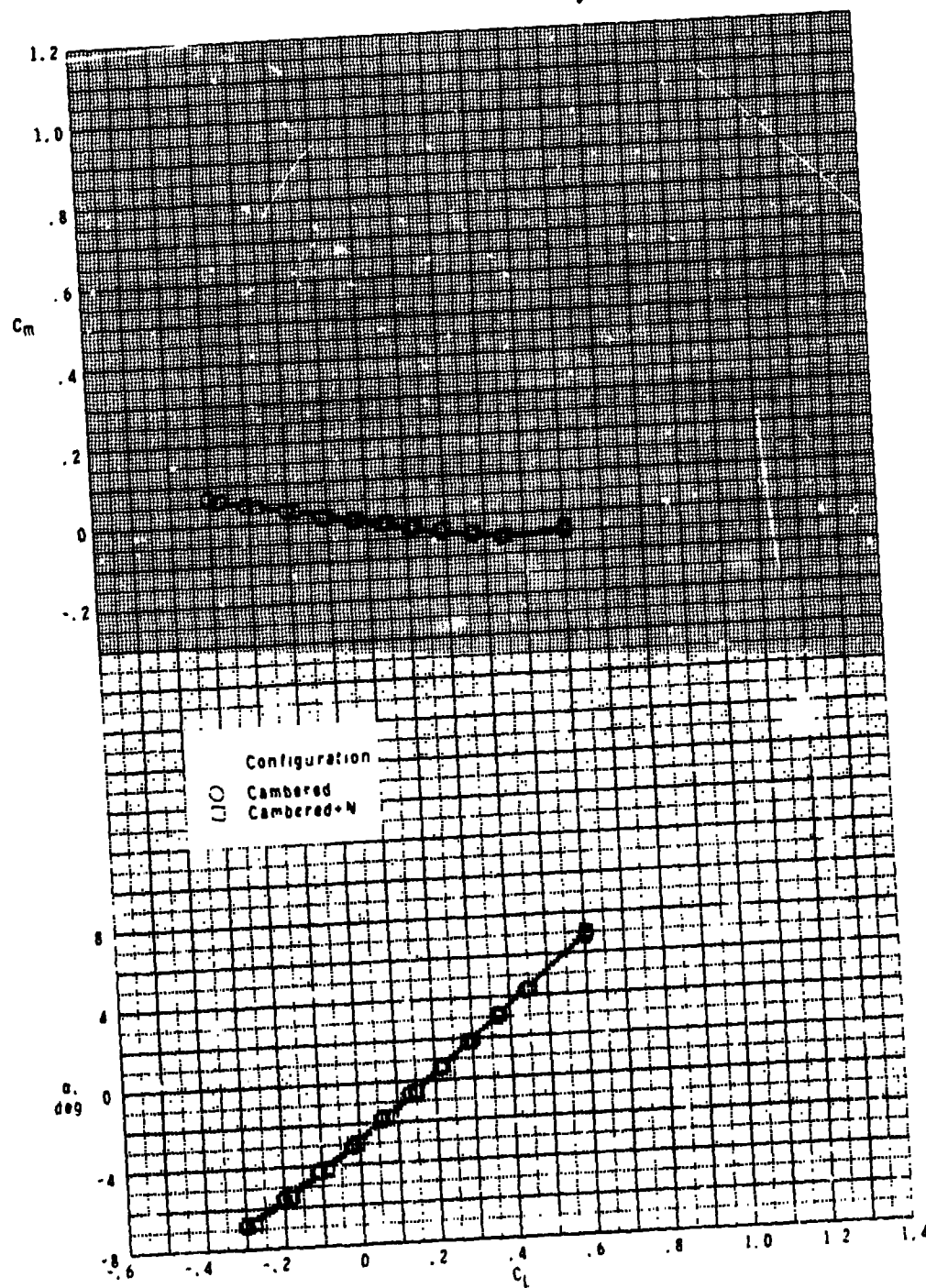


(d) Concluded.

Figure 3.- Continued.

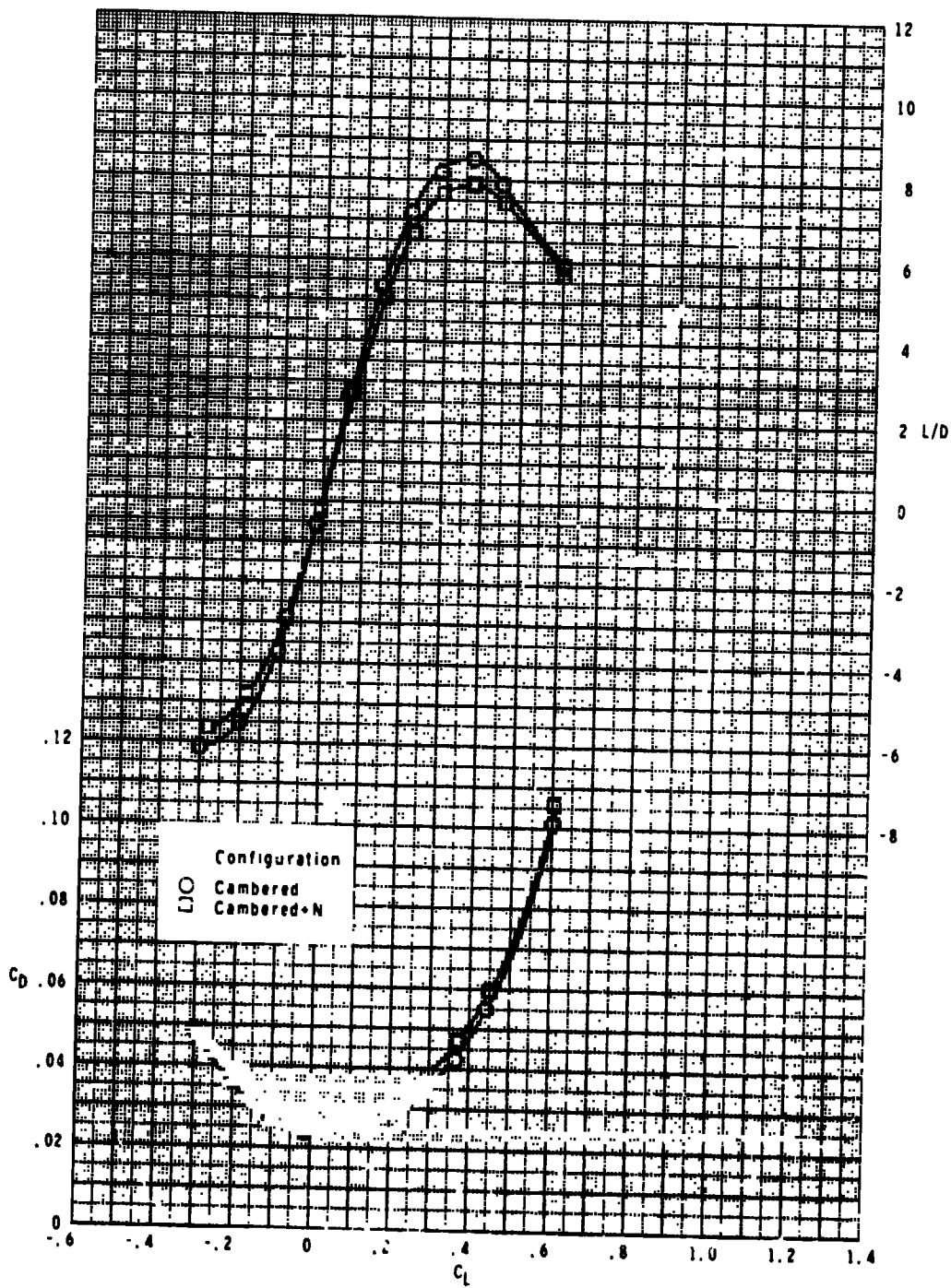


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(e)  $M = 1.03$ .

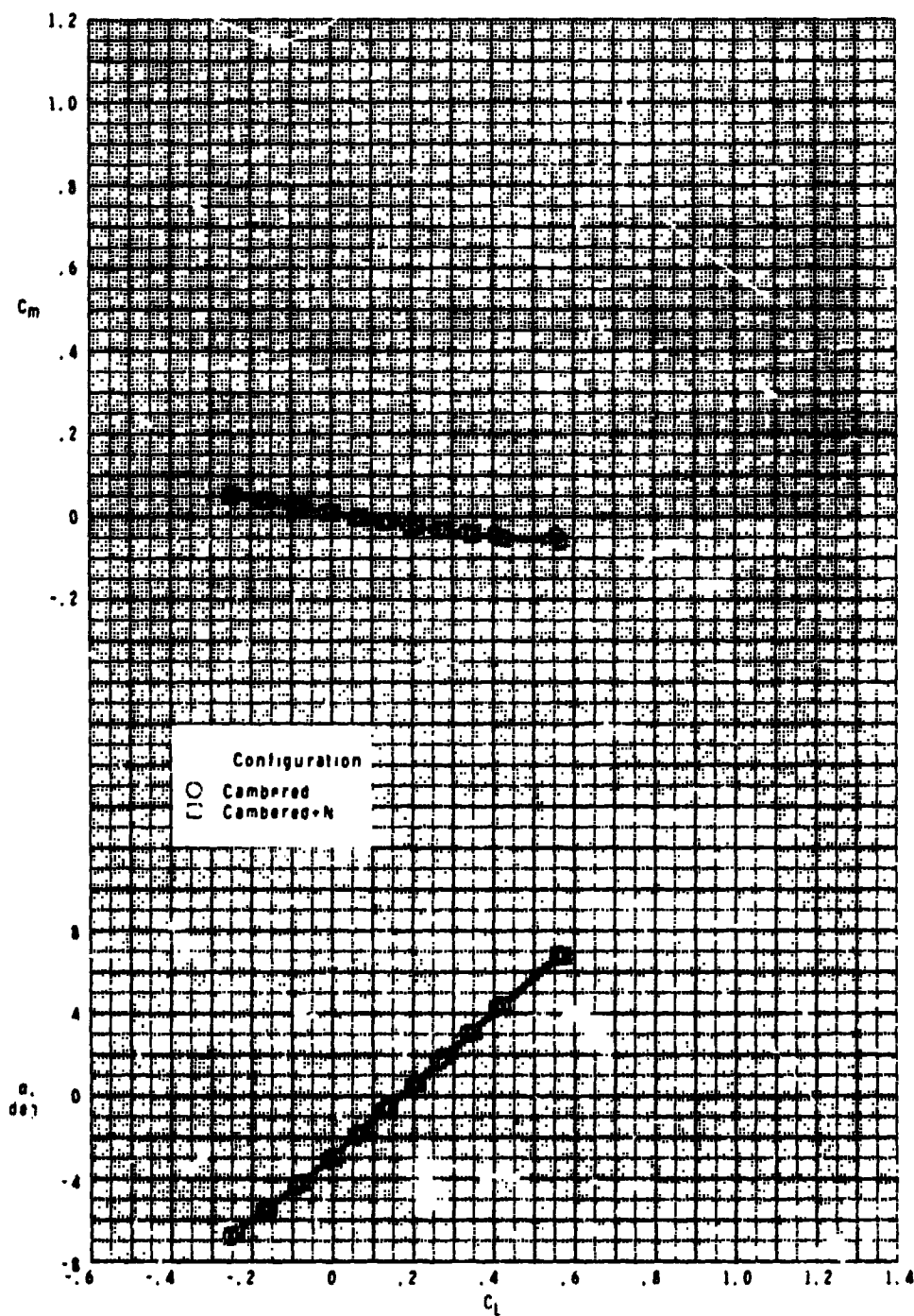
Figure 3.- Continued.



(e) Concluded.

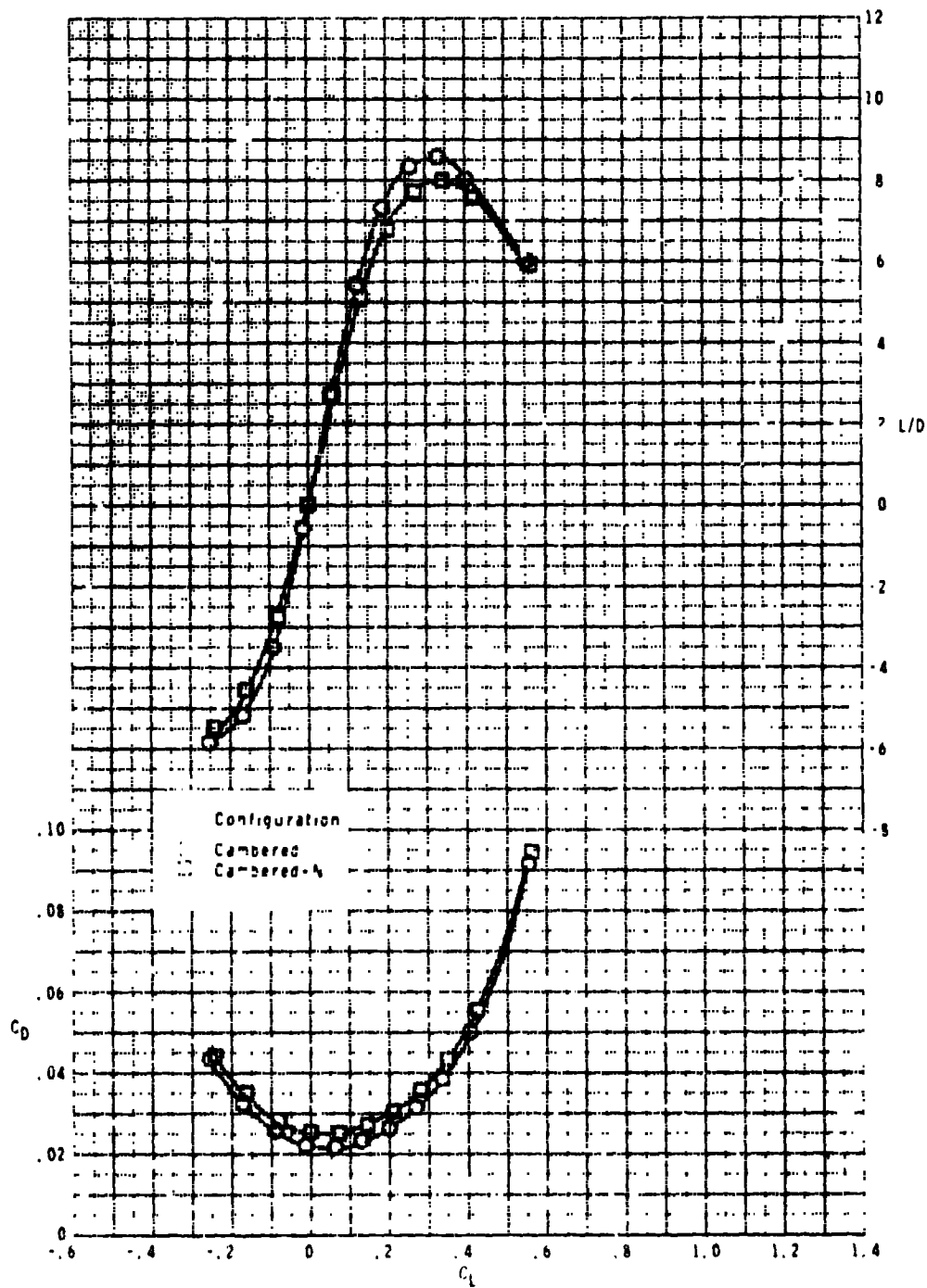
Figure 3.- Continued.

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(f)  $M = 1.20$ .

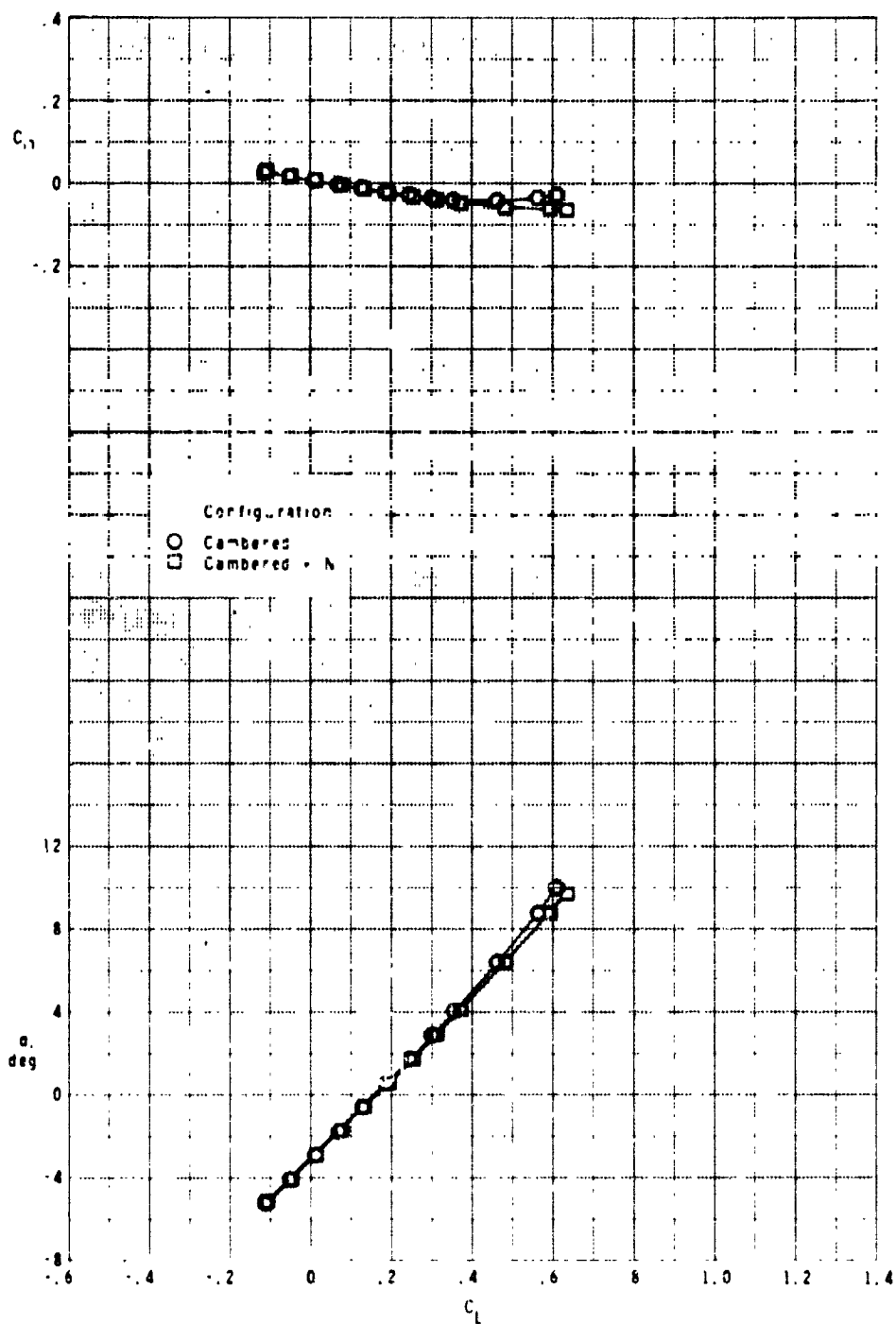
Figure 3.- Continued.



(f) Concluded.

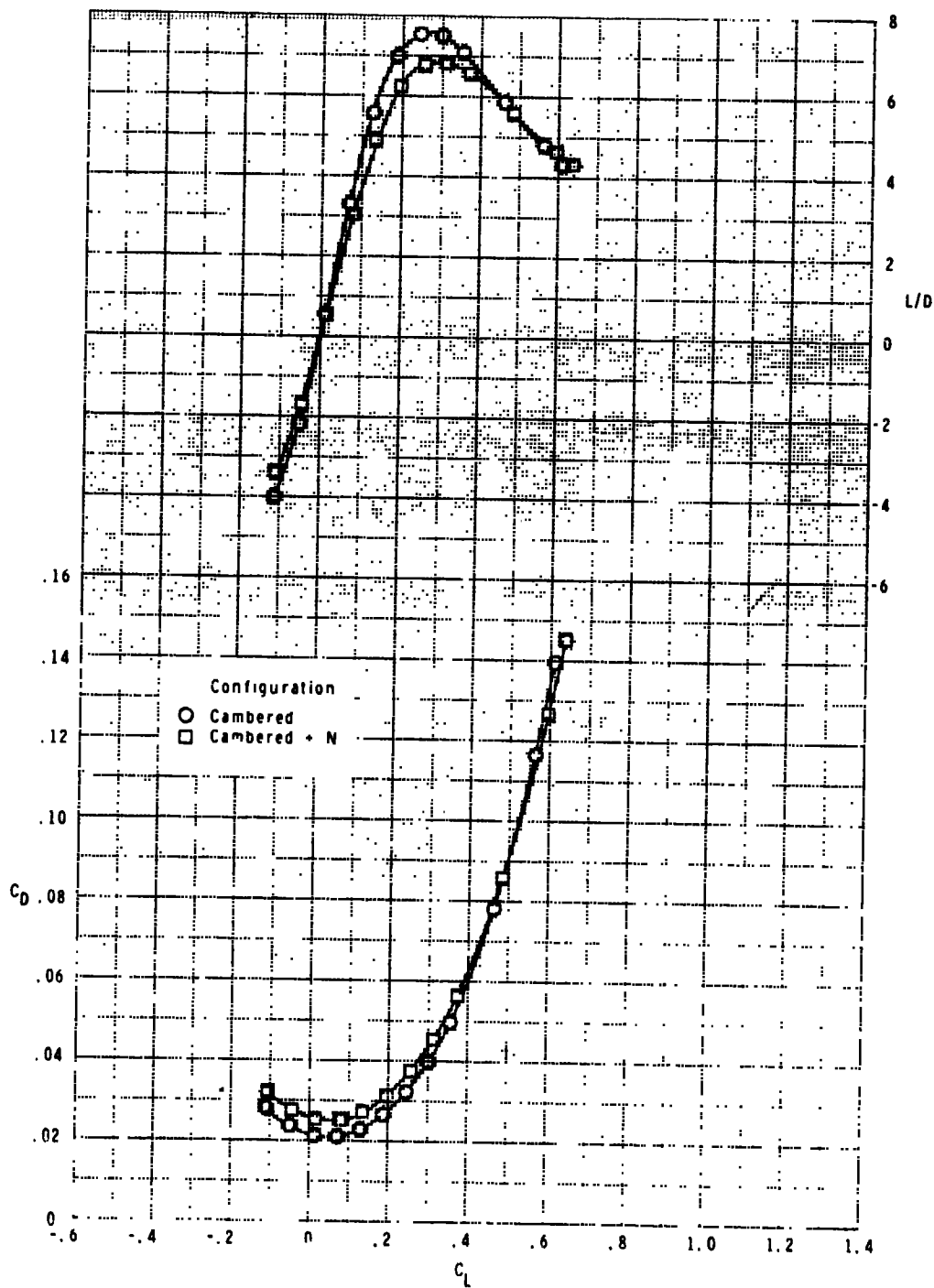
Figure 3.- Concluded.

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(a)  $M = 1.60$ .

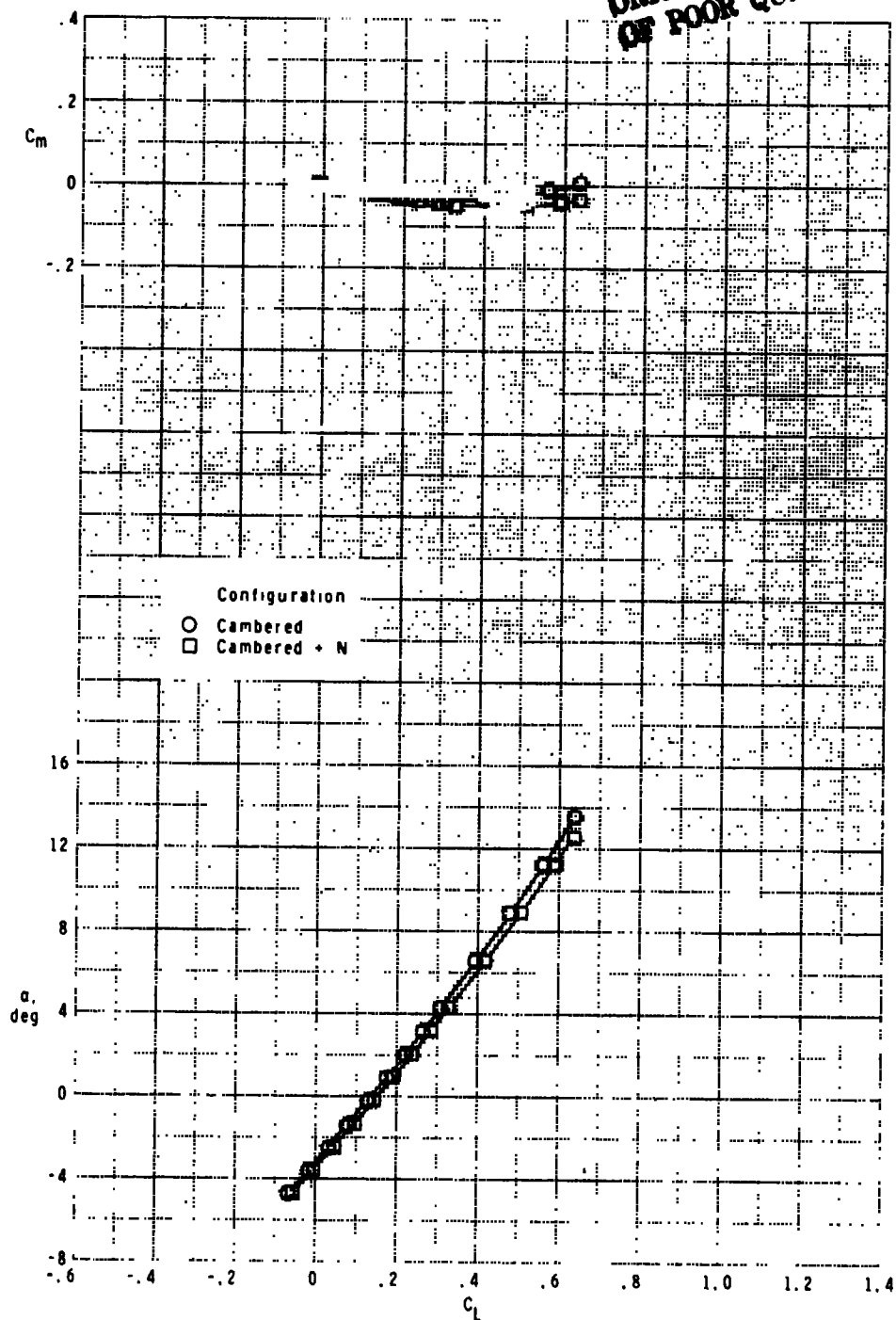
Figure 4.- Supersonic longitudinal aerodynamic characteristics of cambered wing configurations.



(a) Concluded.

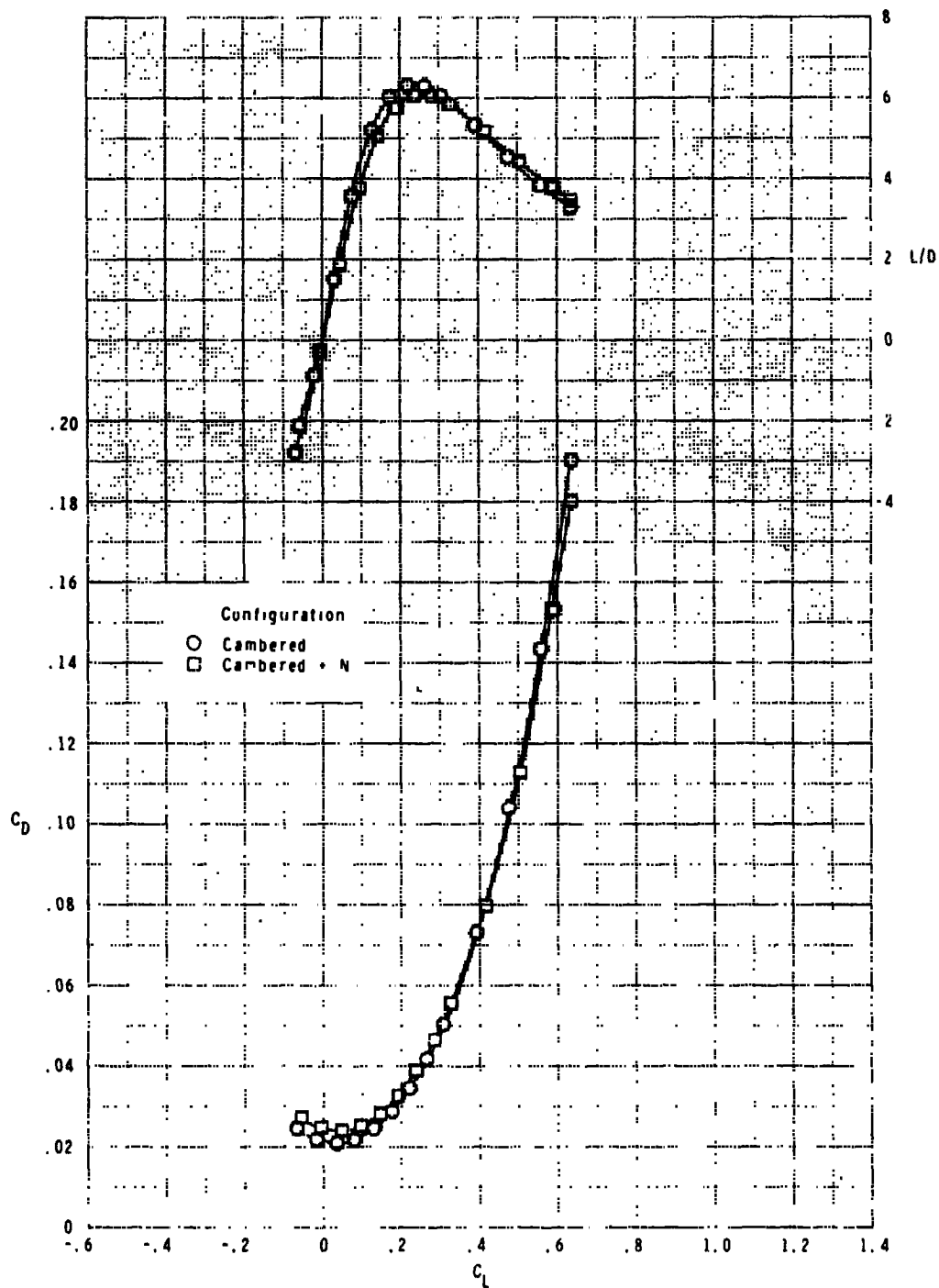
Figure 4.- Continued.

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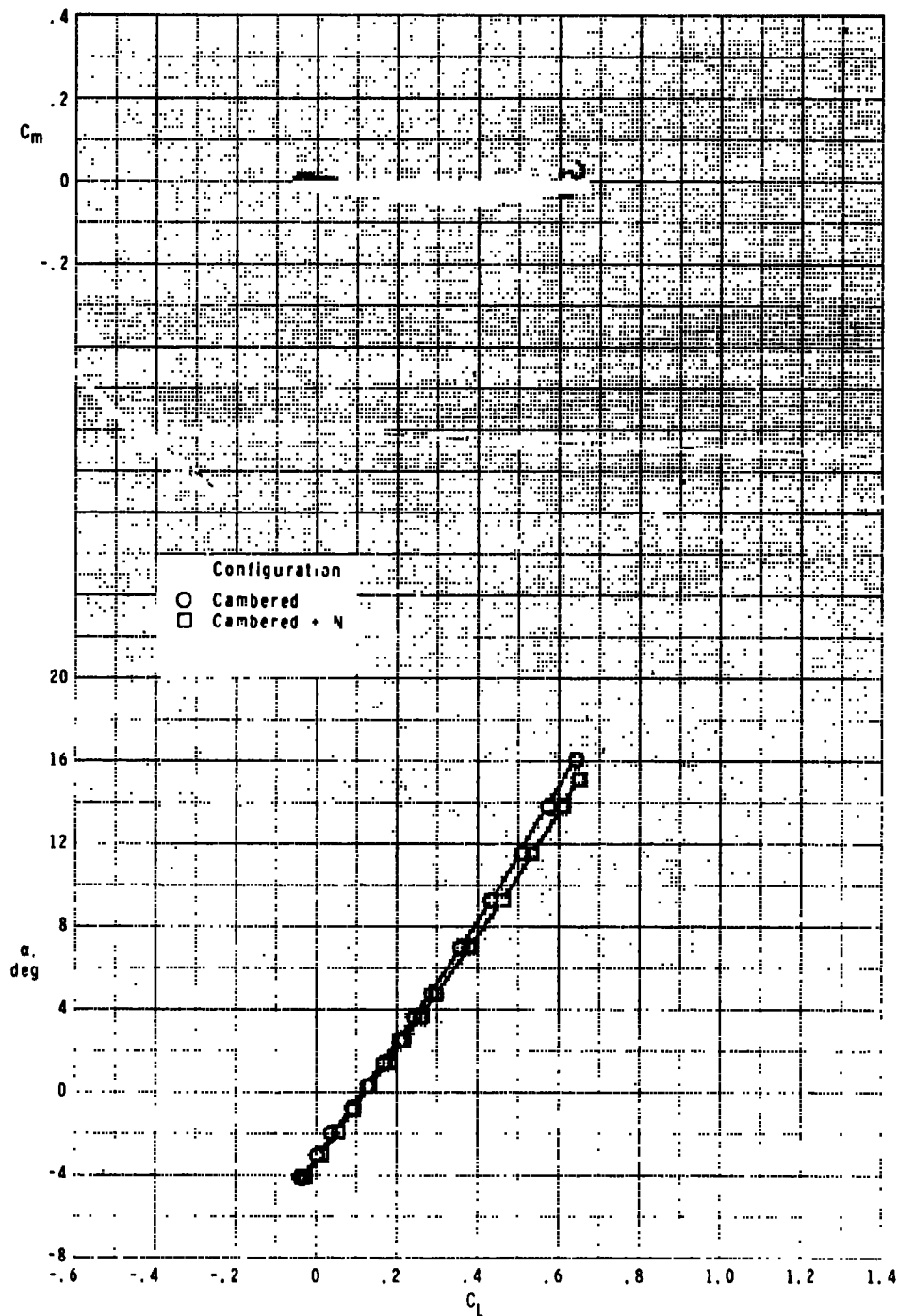
(b)  $M = 2.00$ .

Figure 4.- Continued.



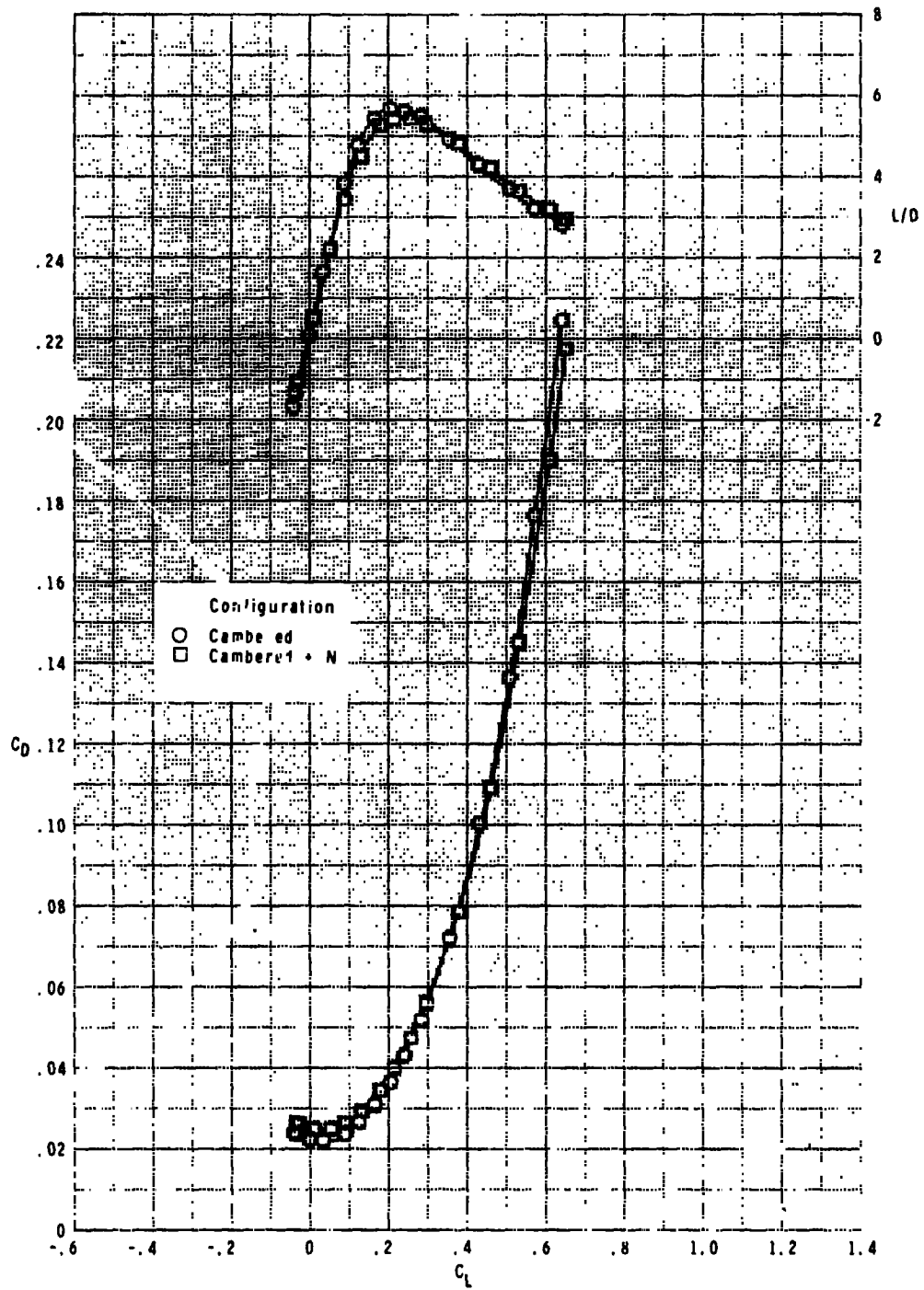


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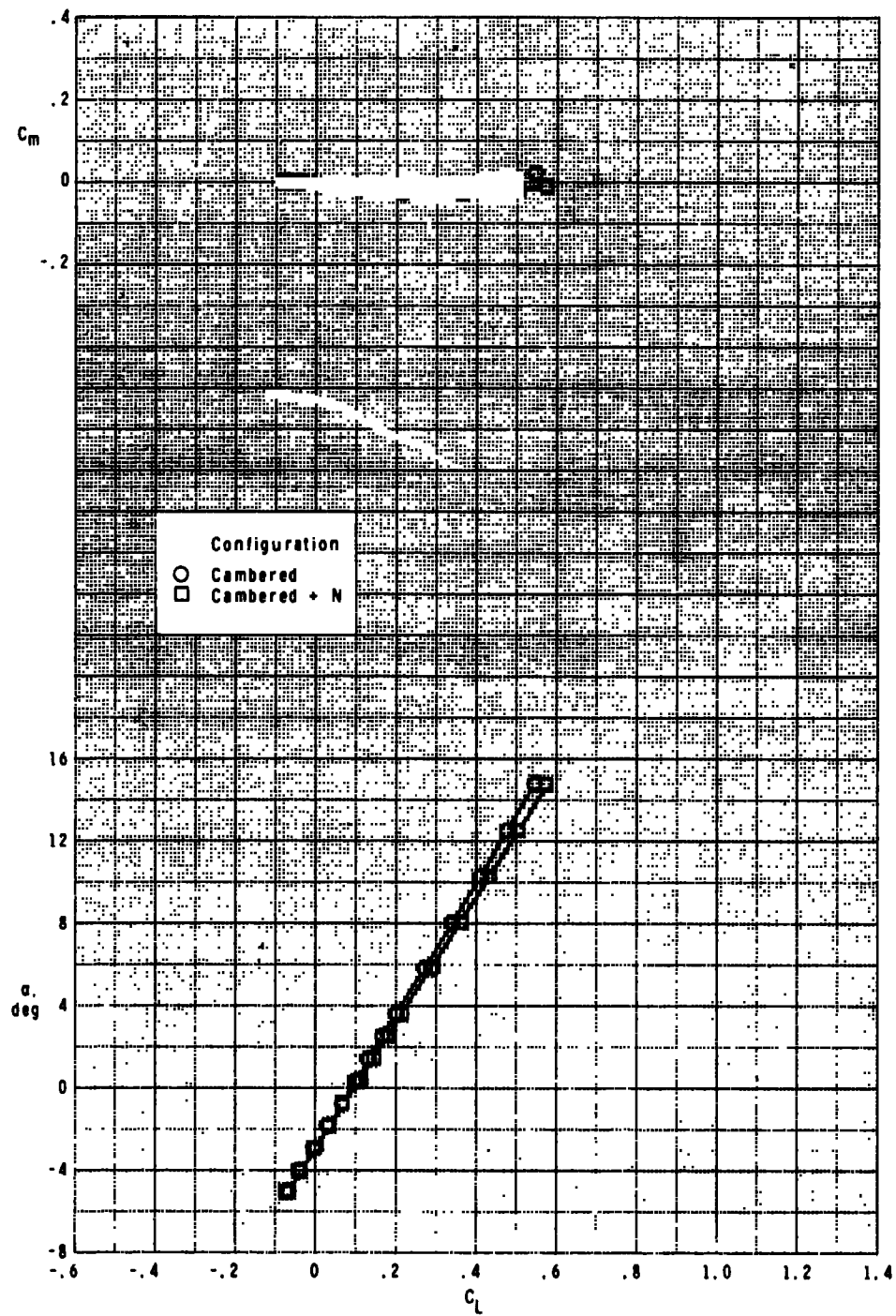
(c)  $M = 2.36$ .

Figure 4.- Continued.



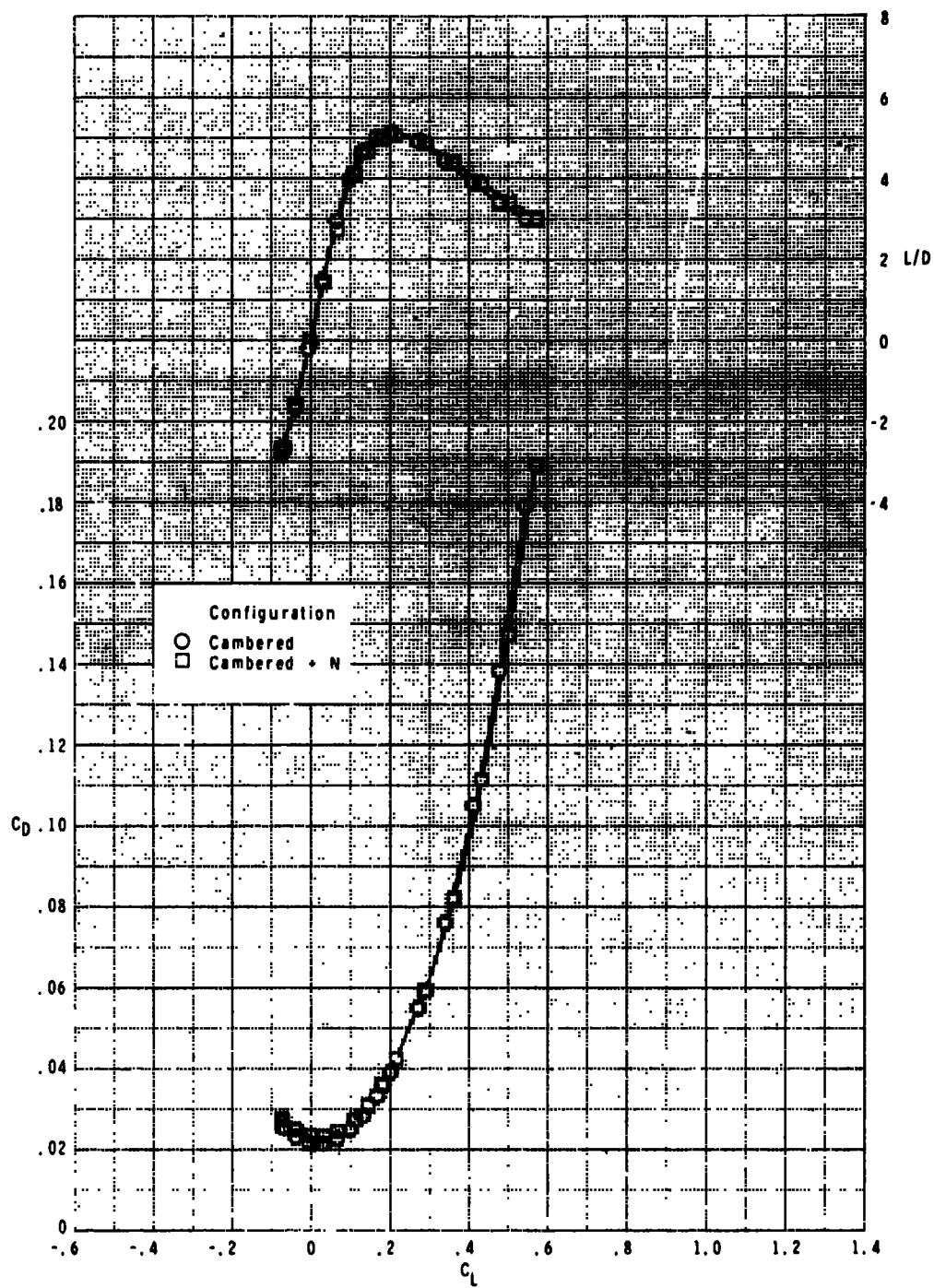
(c) Concluded.

Figure 4.- Continued.



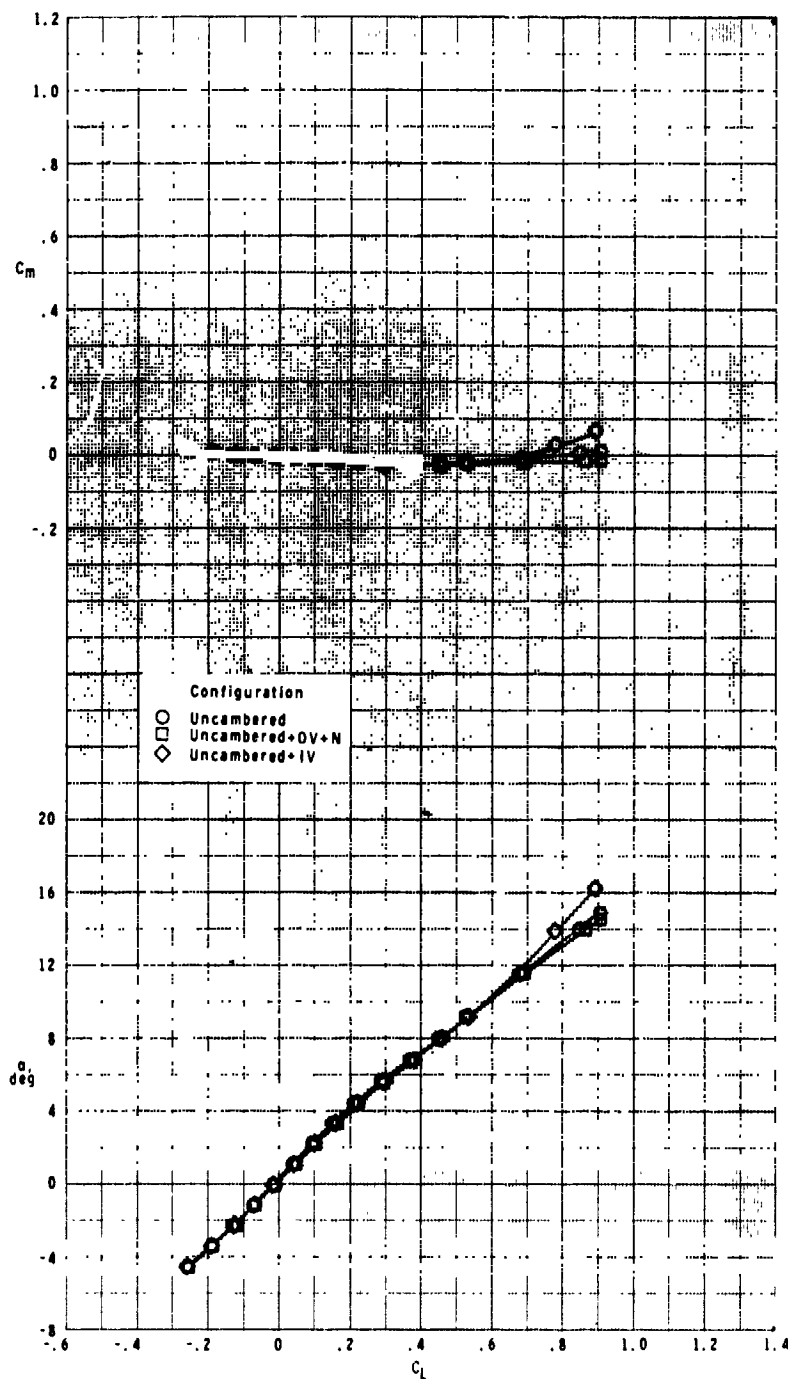
(d)  $M = 2.70$ .

Figure 4.- Continued.



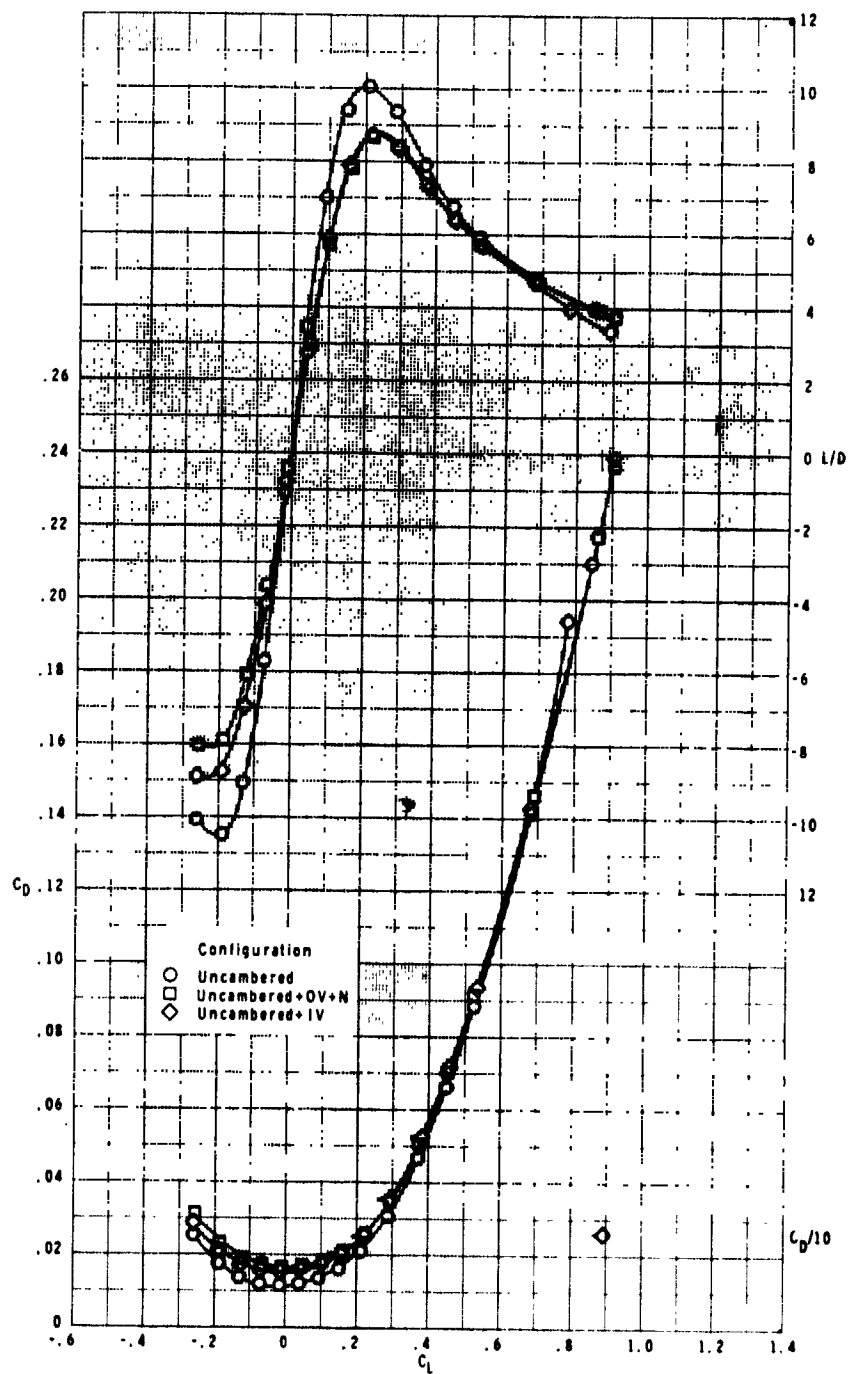
(d) Concluded.

Figure 4.- Concluded.



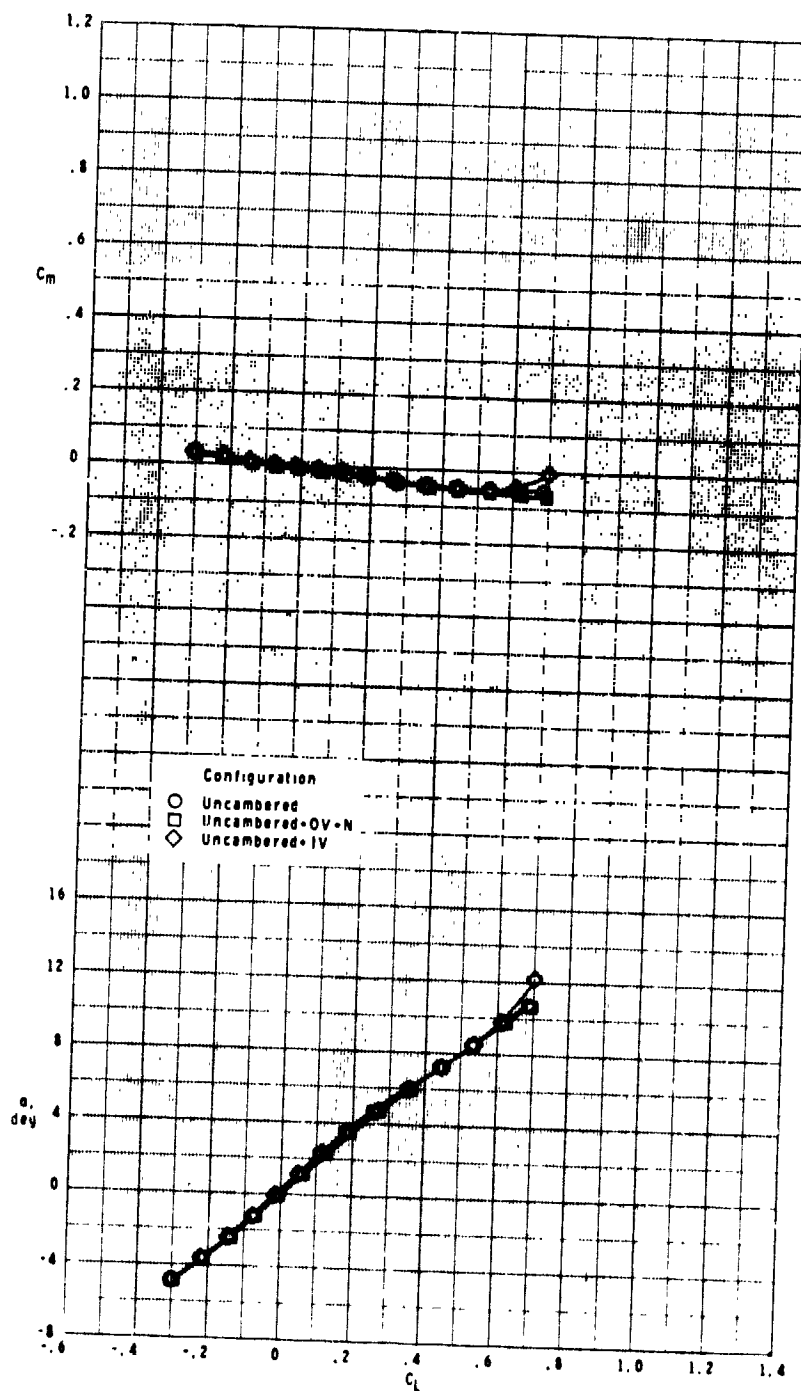
(a)  $M = 0.60$ .

Figure 5.- Subsonic and transonic longitudinal aerodynamic characteristics of uncambered wing configurations.



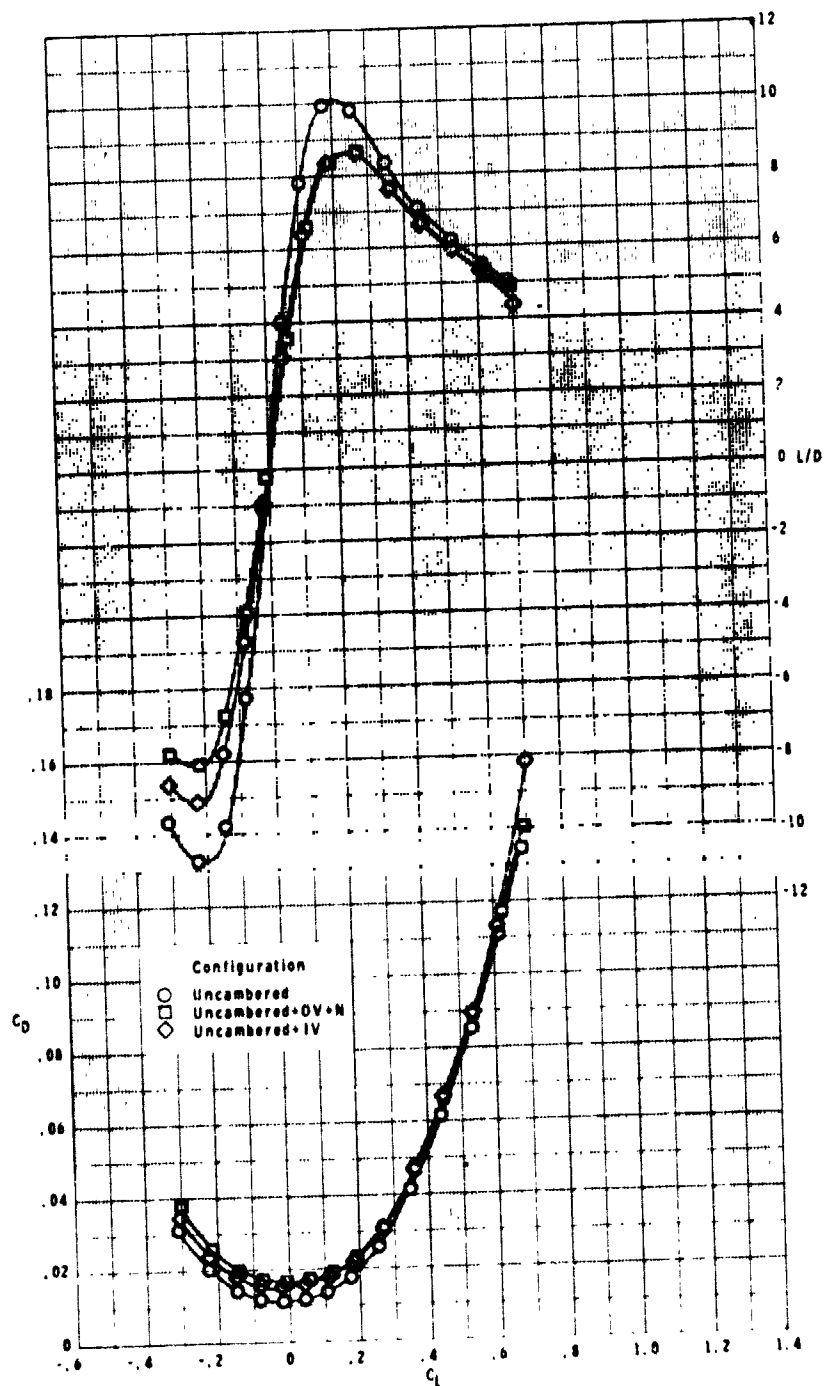
(a) Concluded.

Figure 5.- Continued.



(b)  $M = 0.90$ .

Figure 5.- Continued.

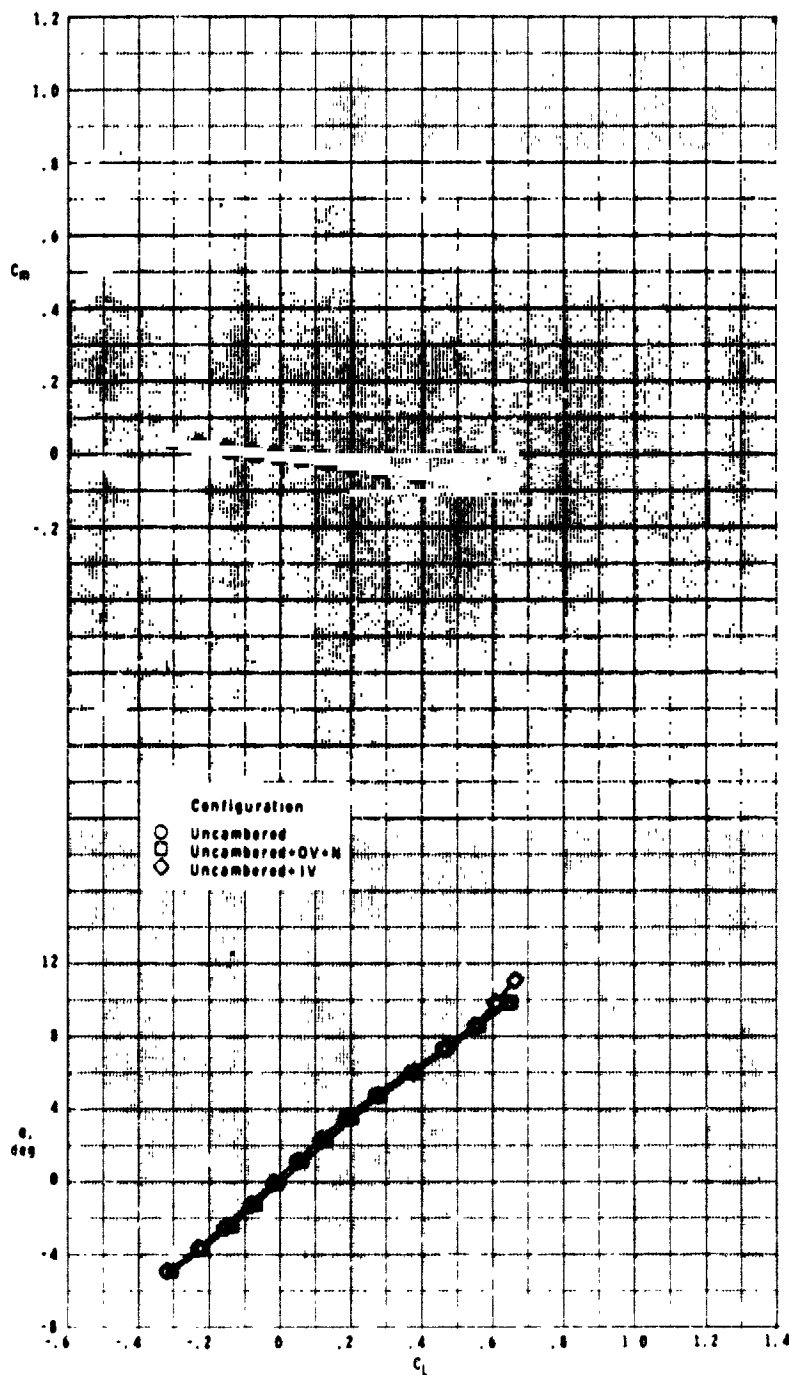


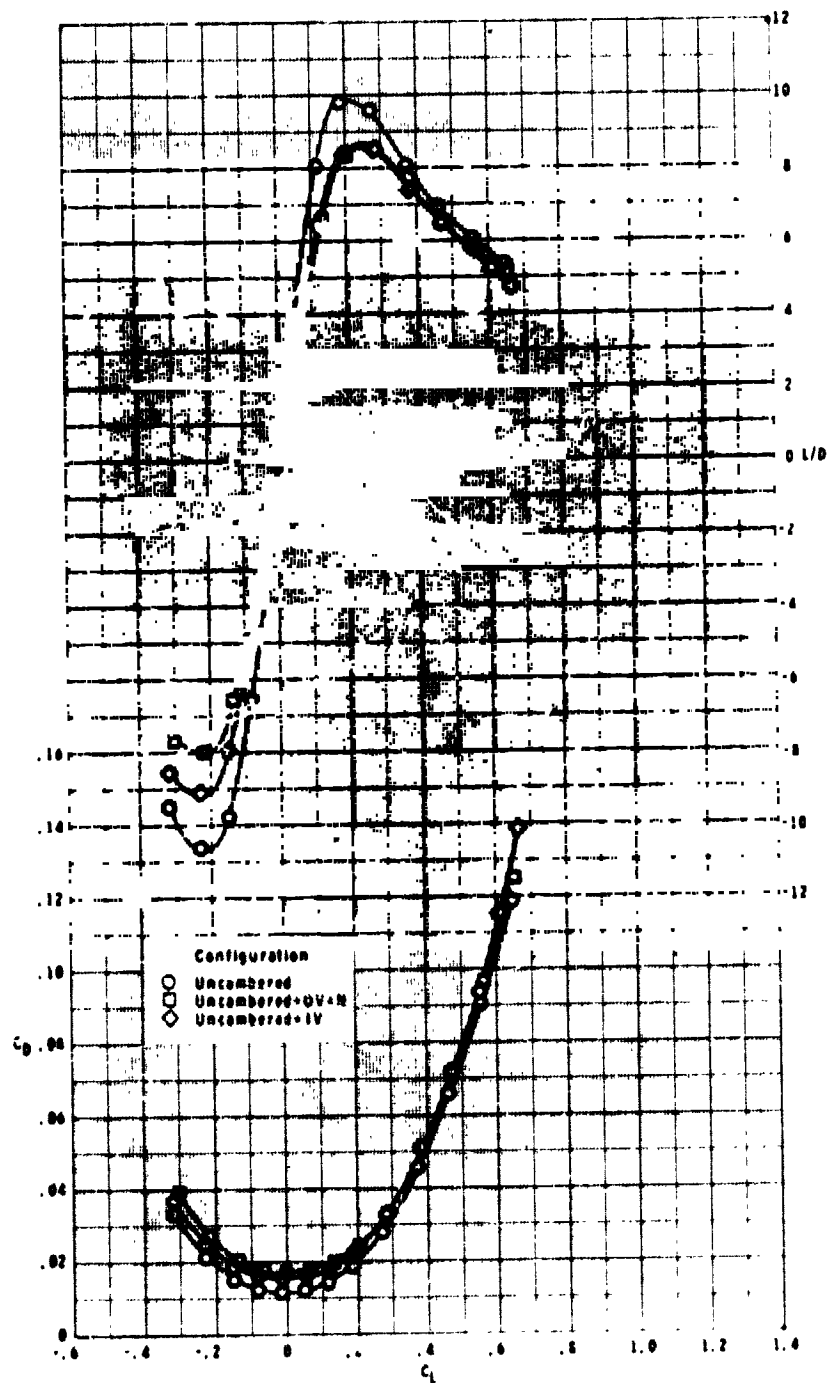
(b) Concluded.

Figure 5.- Continued.



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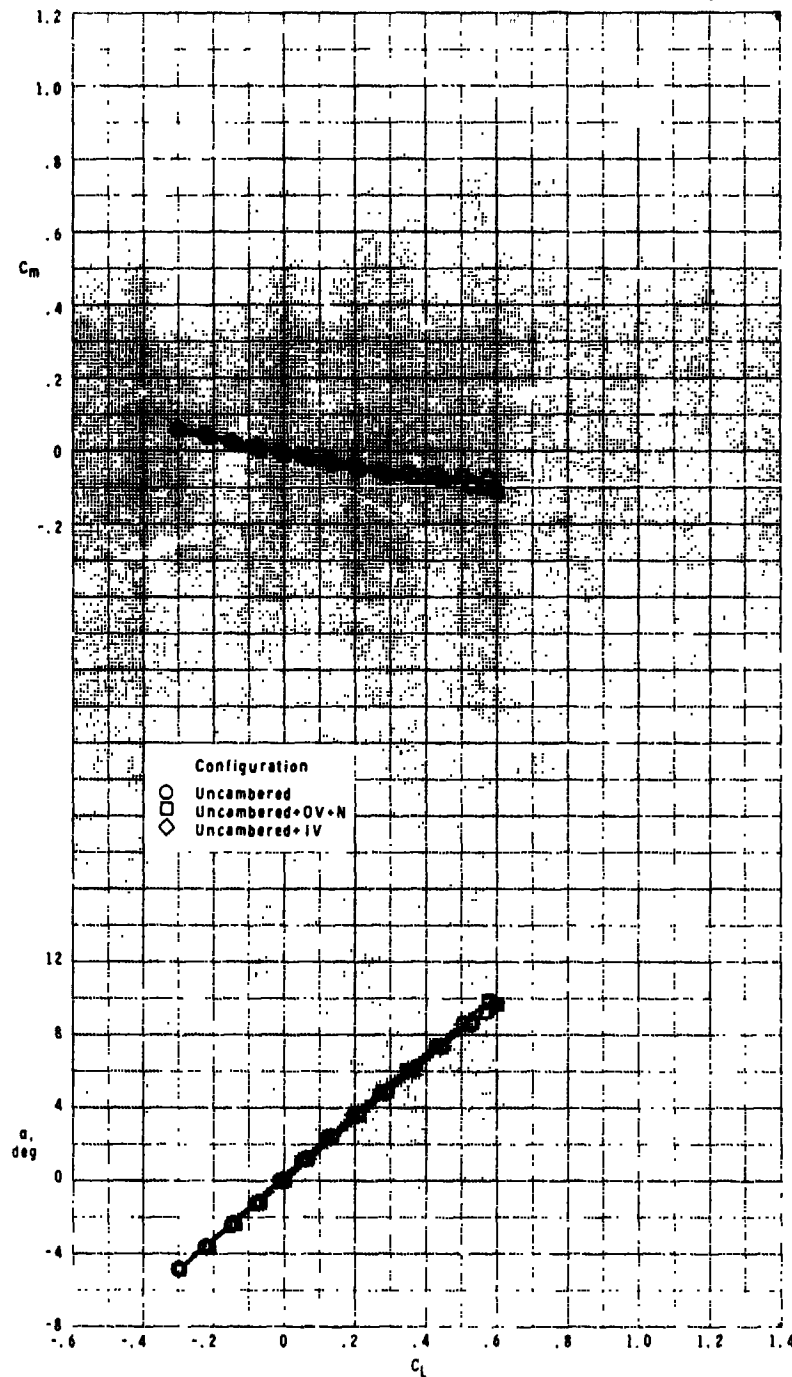




(c) Concluded.

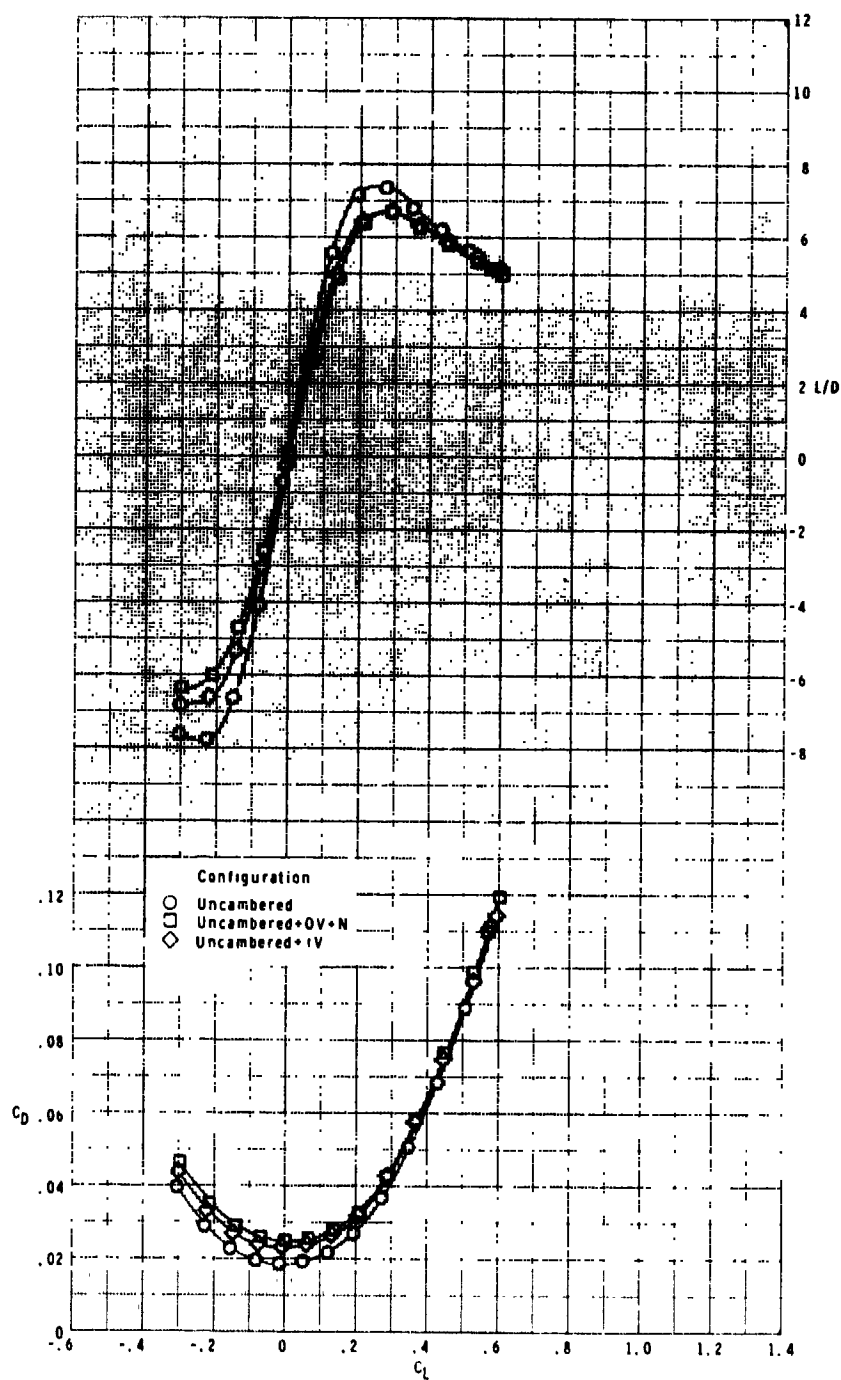
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(d)  $M = 1.20$ .

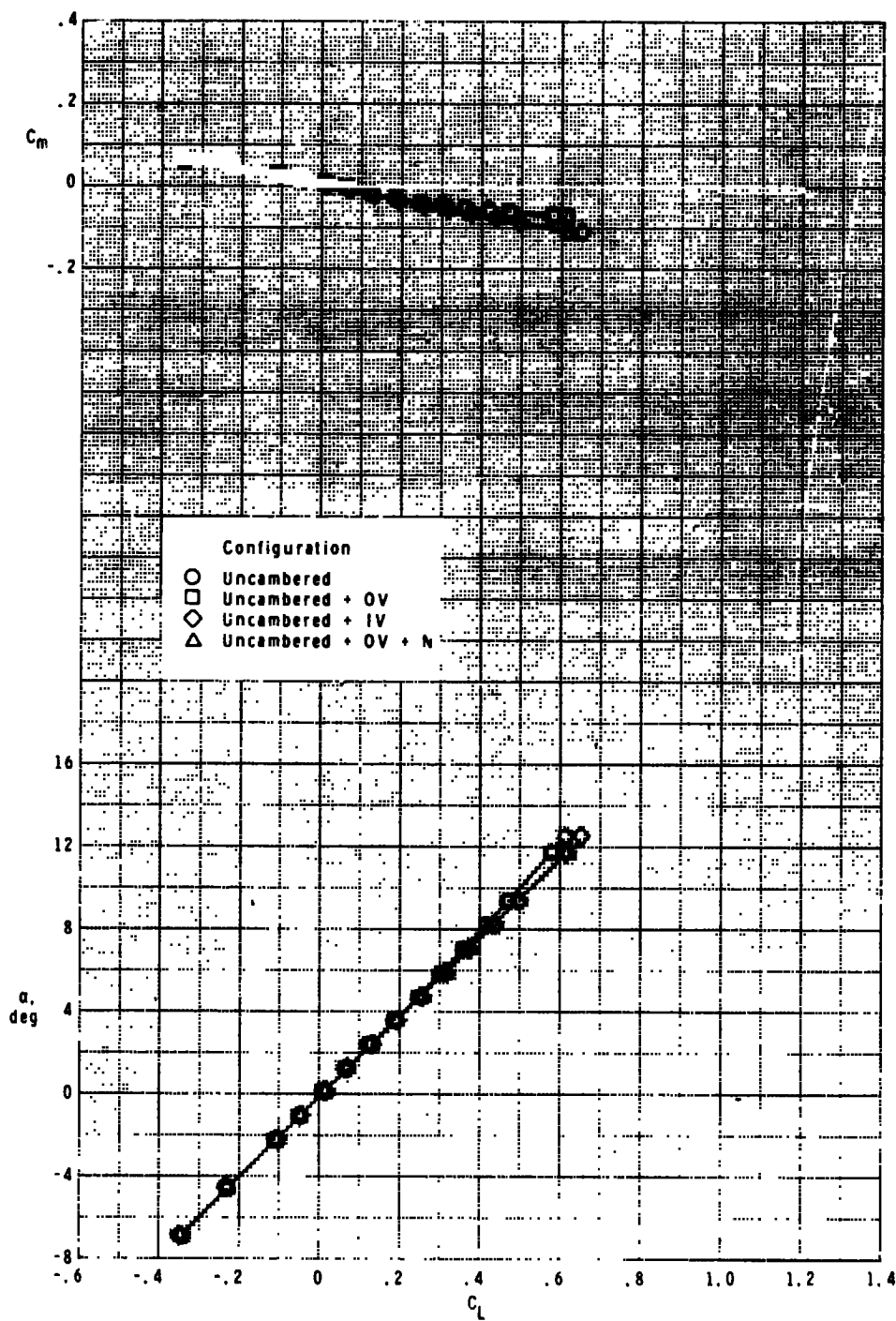
Figure 5.- Continued.



(d) Concluded.

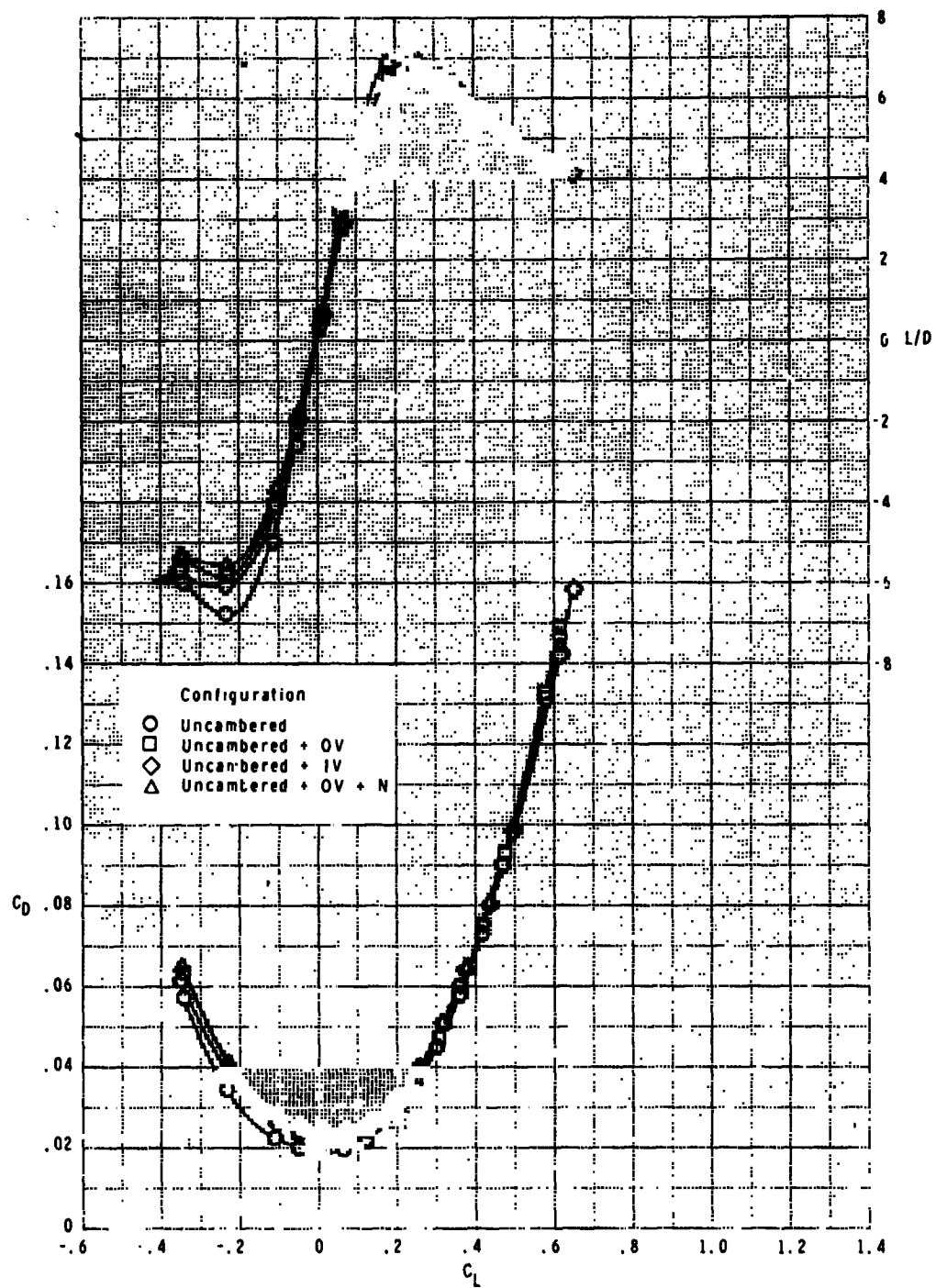
Figure 5.- Concluded.

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(a)  $M = 1.60$ .

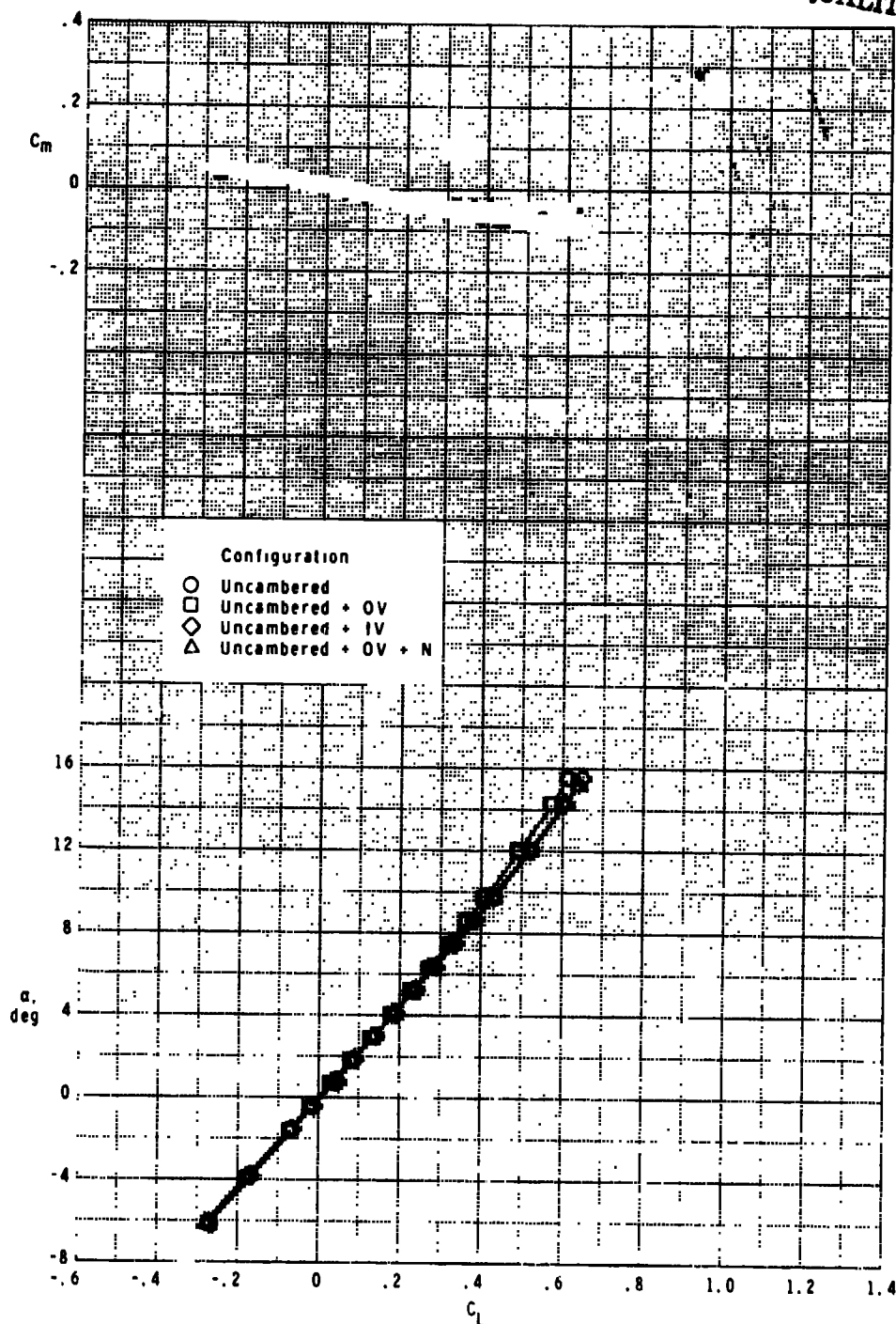
Figure 6.- Supersonic longitudinal aerodynamic characteristics of uncambered wing configurations.



(a) Concluded.

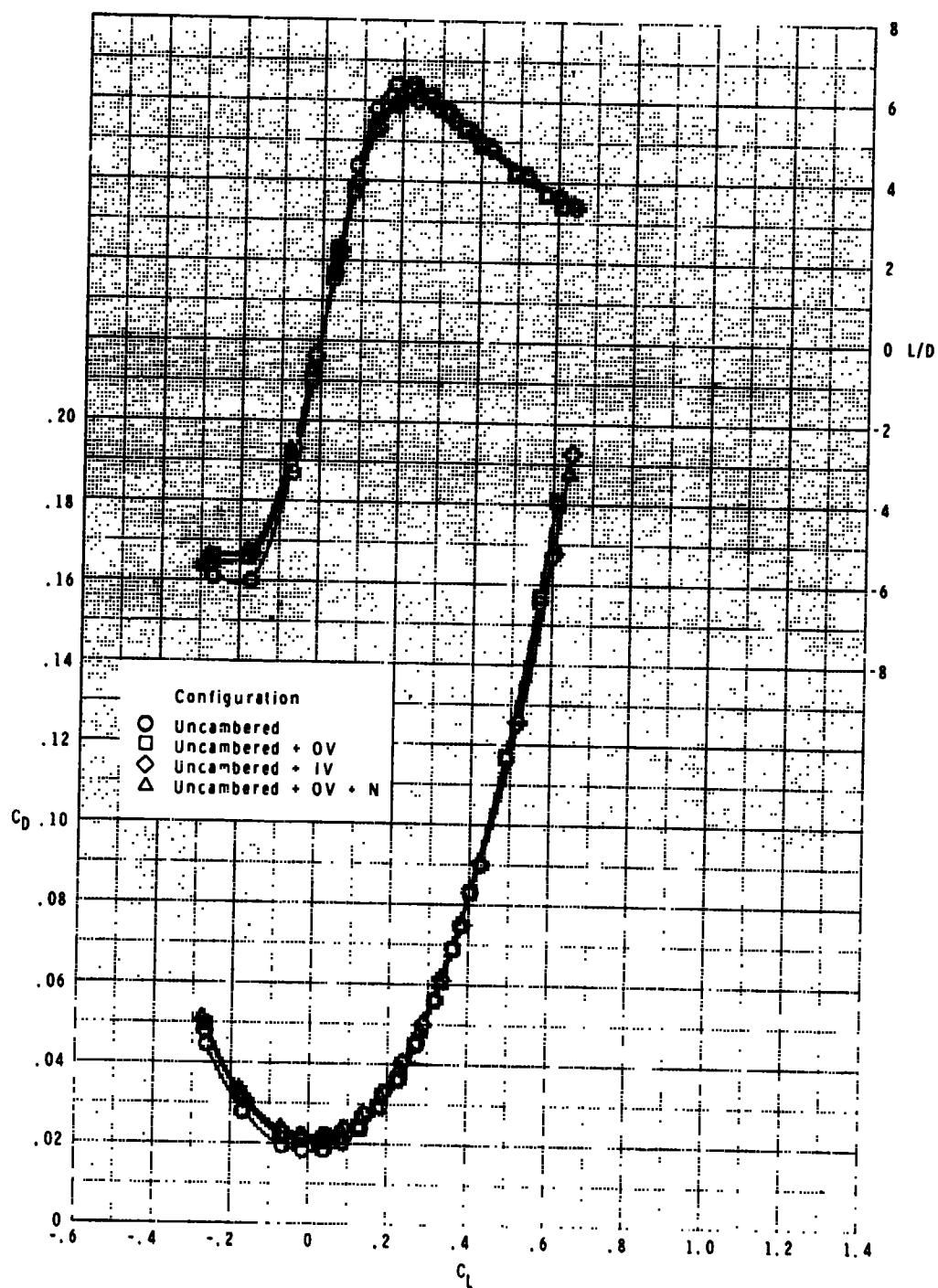
Figure 6.- Continued.

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(b)  $M = 2.00$ .

Figure 6.- Continued.

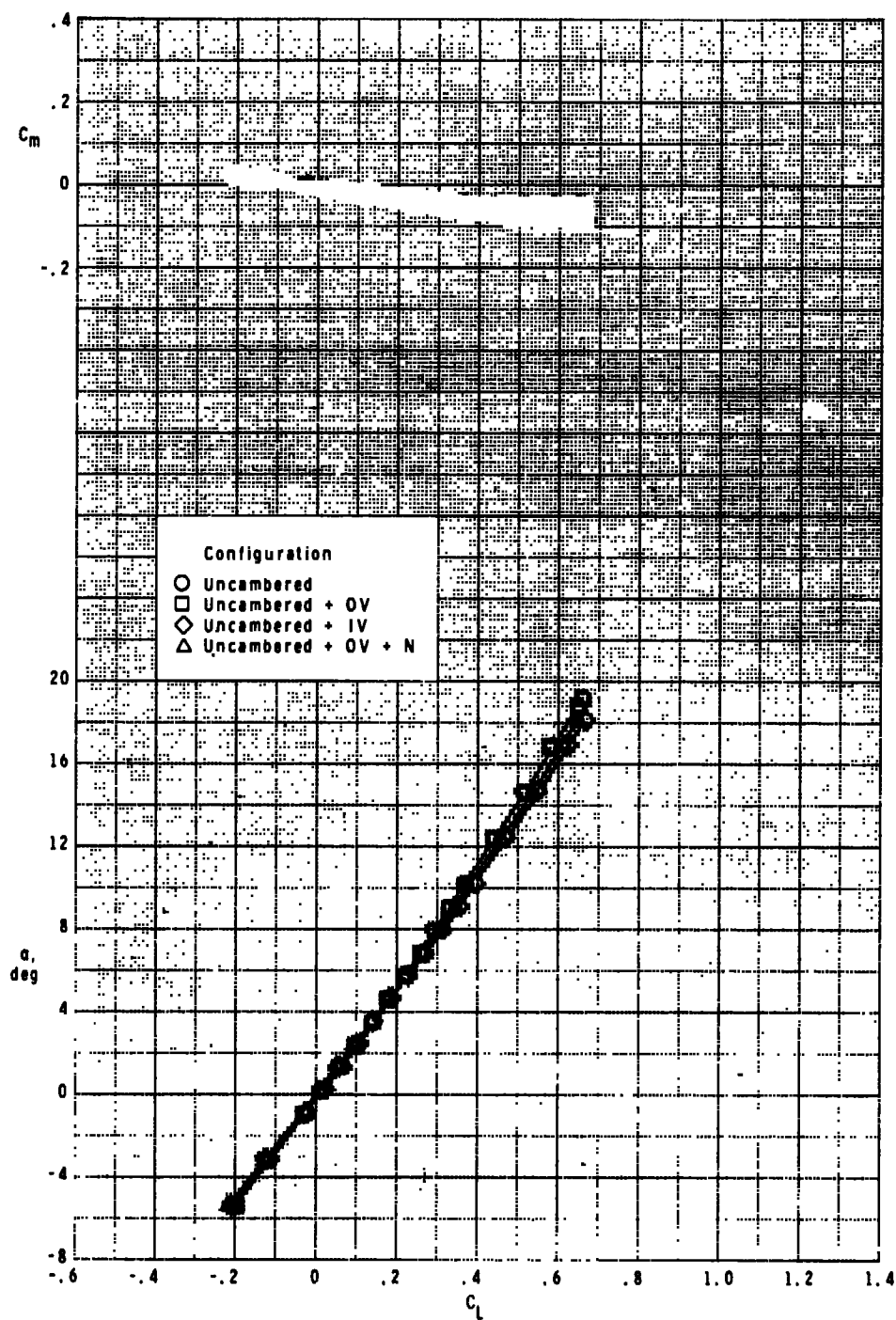


(b) Concluded.

Figure 6.- Continued.

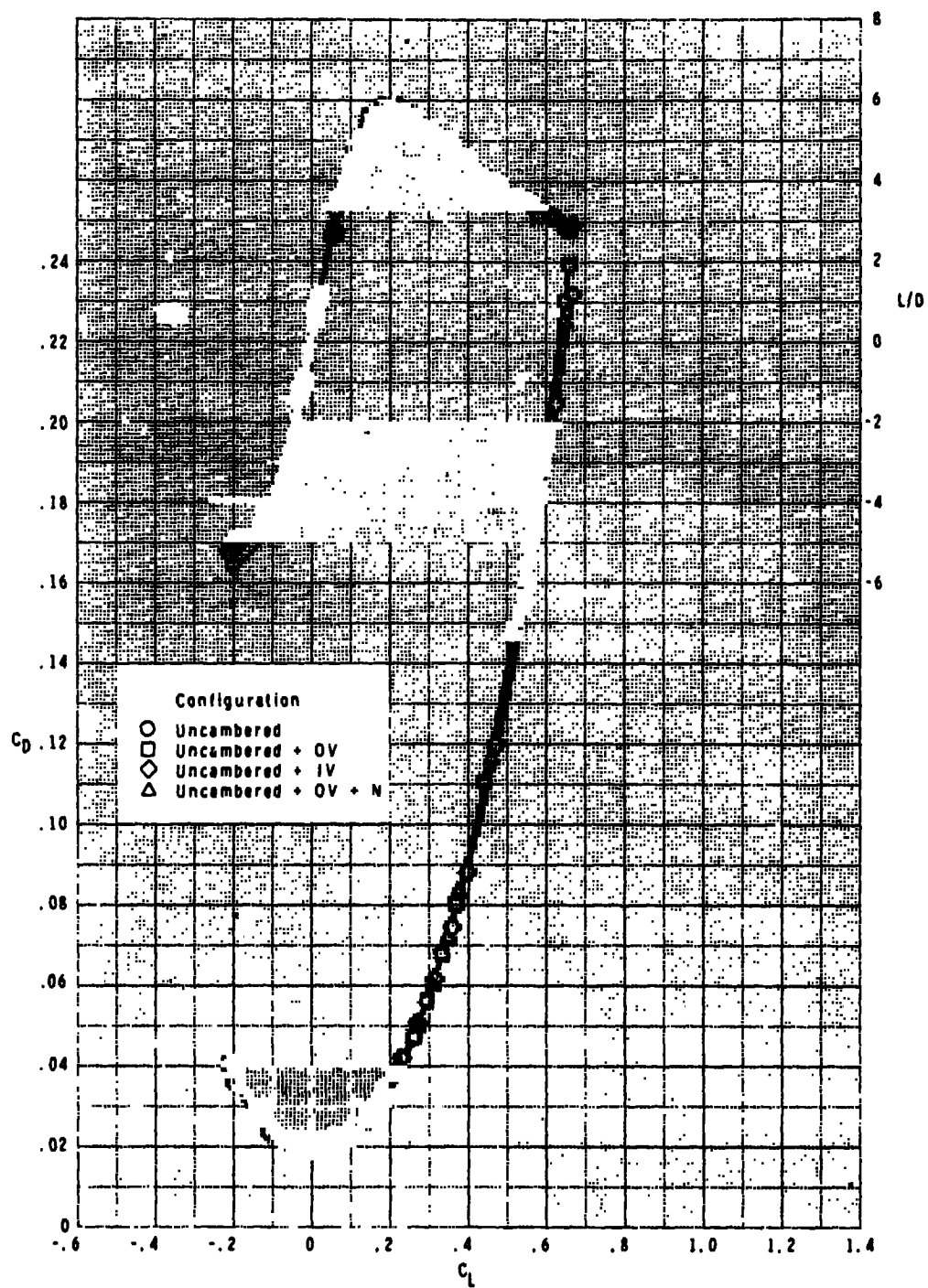


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(c)  $M = 2.36$ .

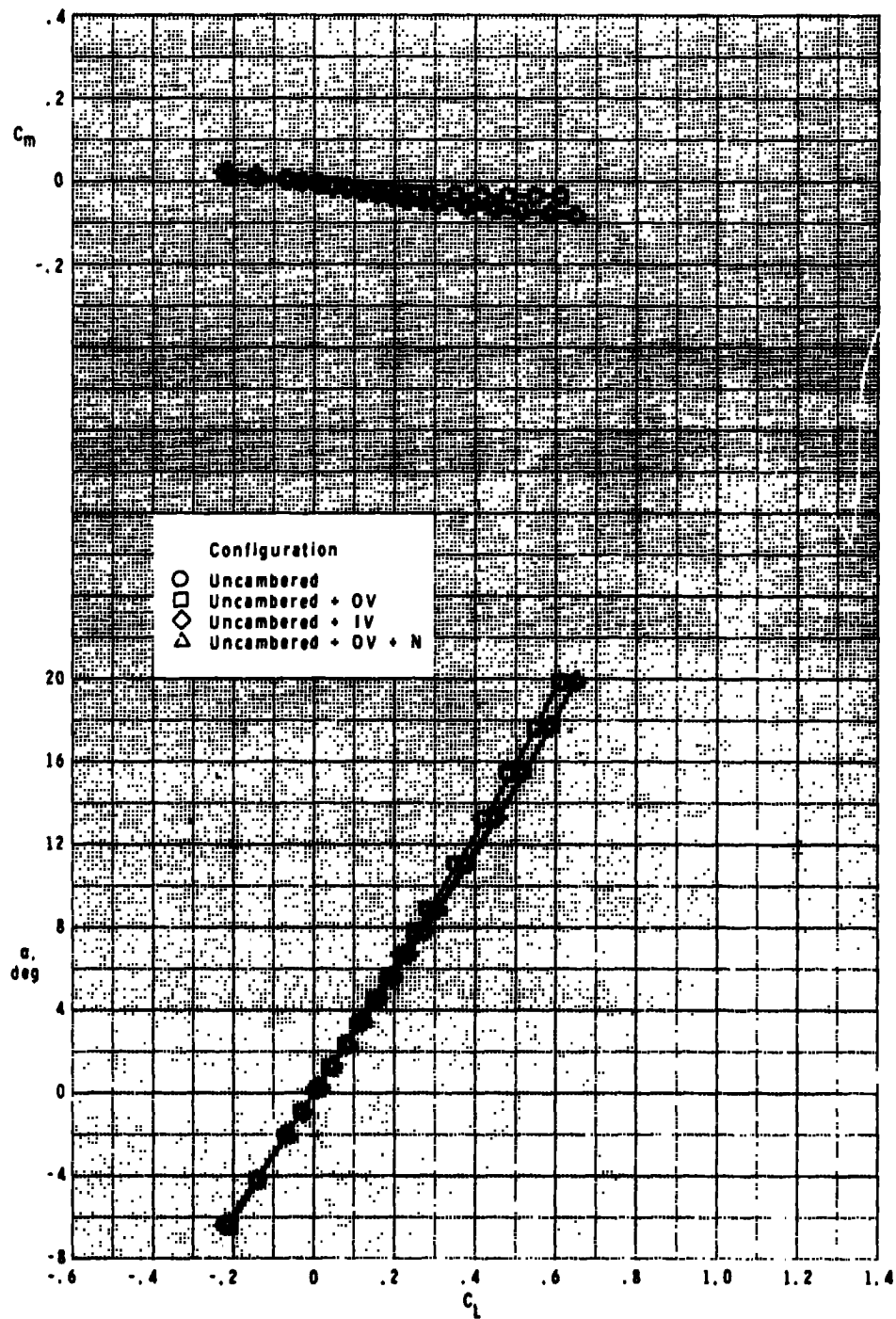
Figure 6.- Continued.



(c) Concluded.

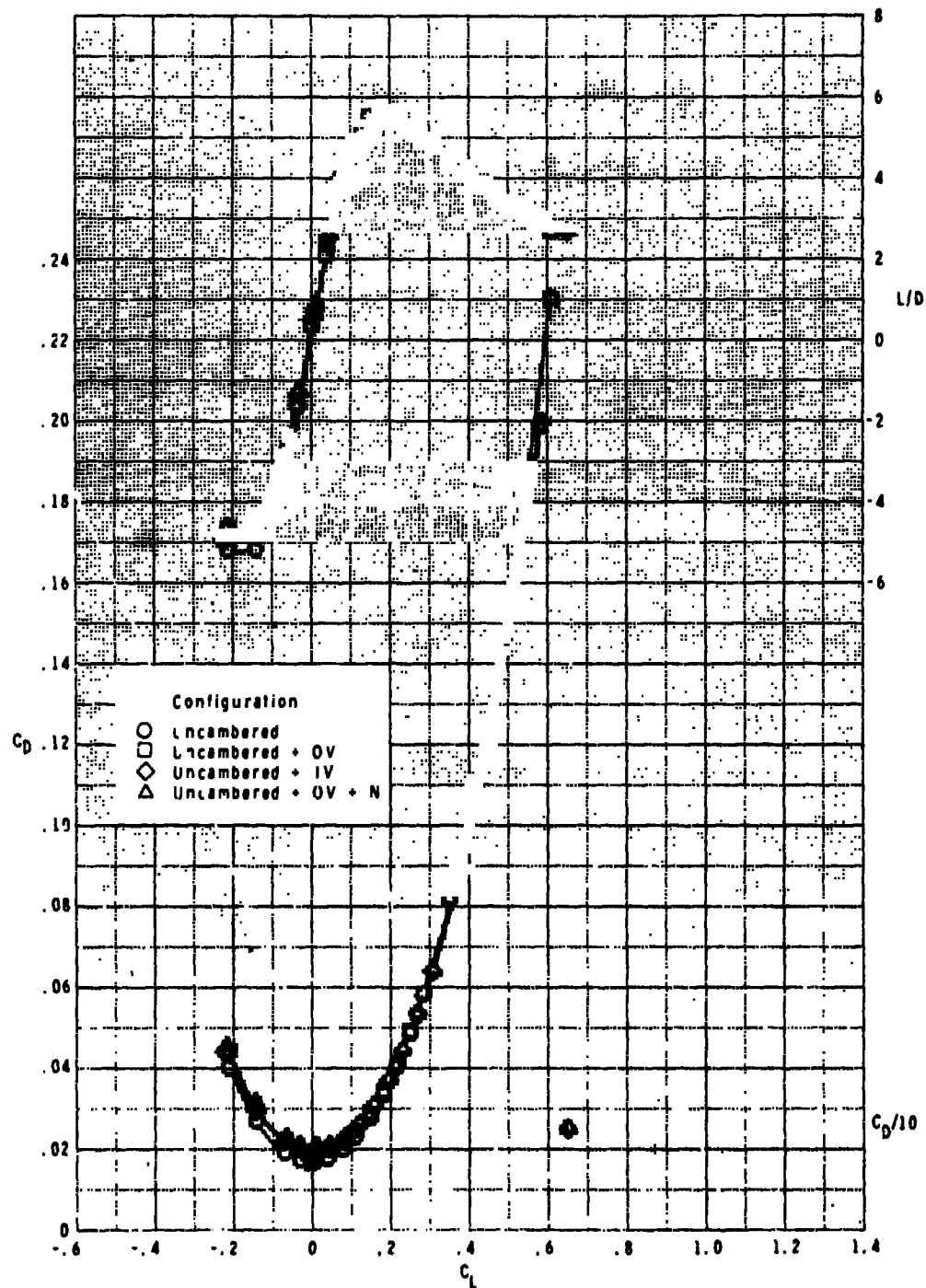
Figure 6.- Continued.

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(d)  $M = 2.70$ .

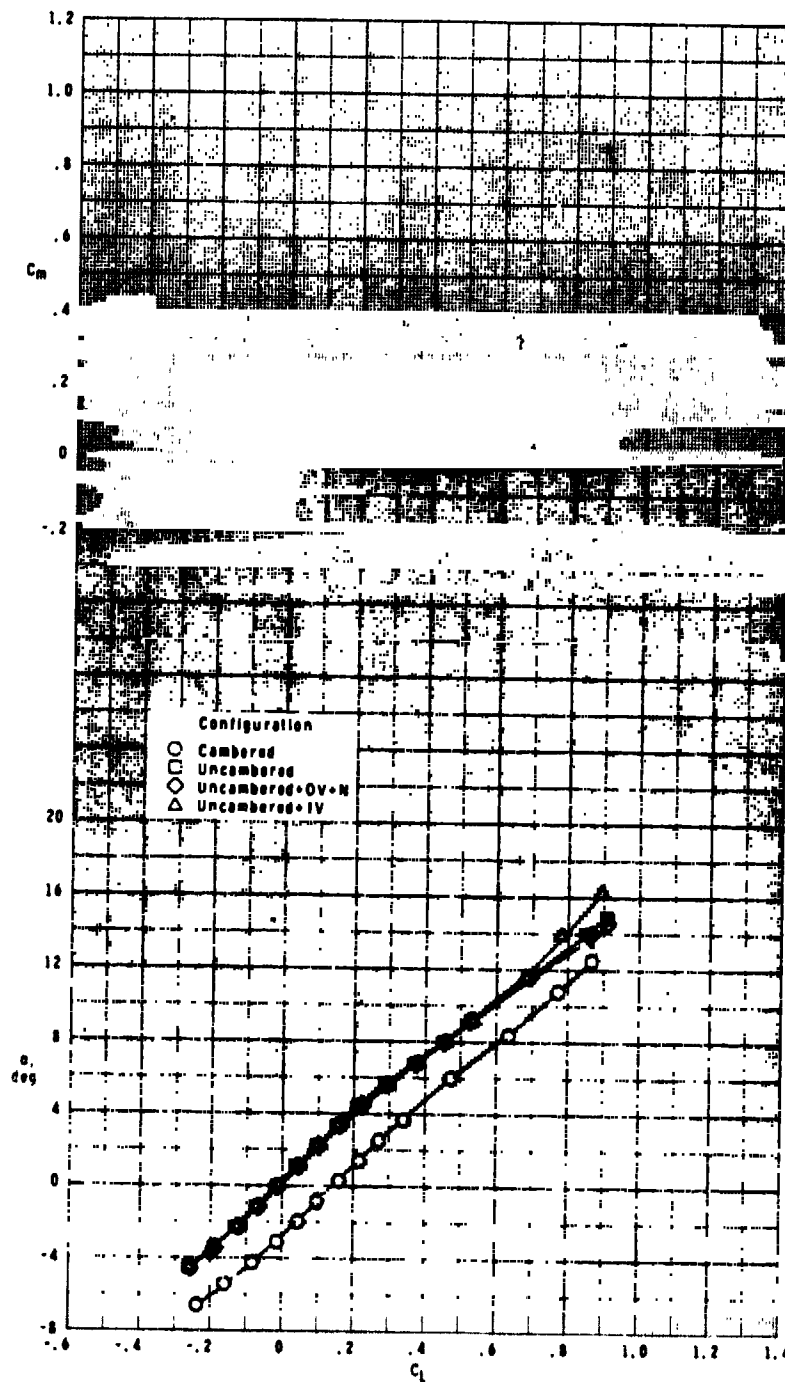
Figure 6.- Continued.



(d) Concluded.

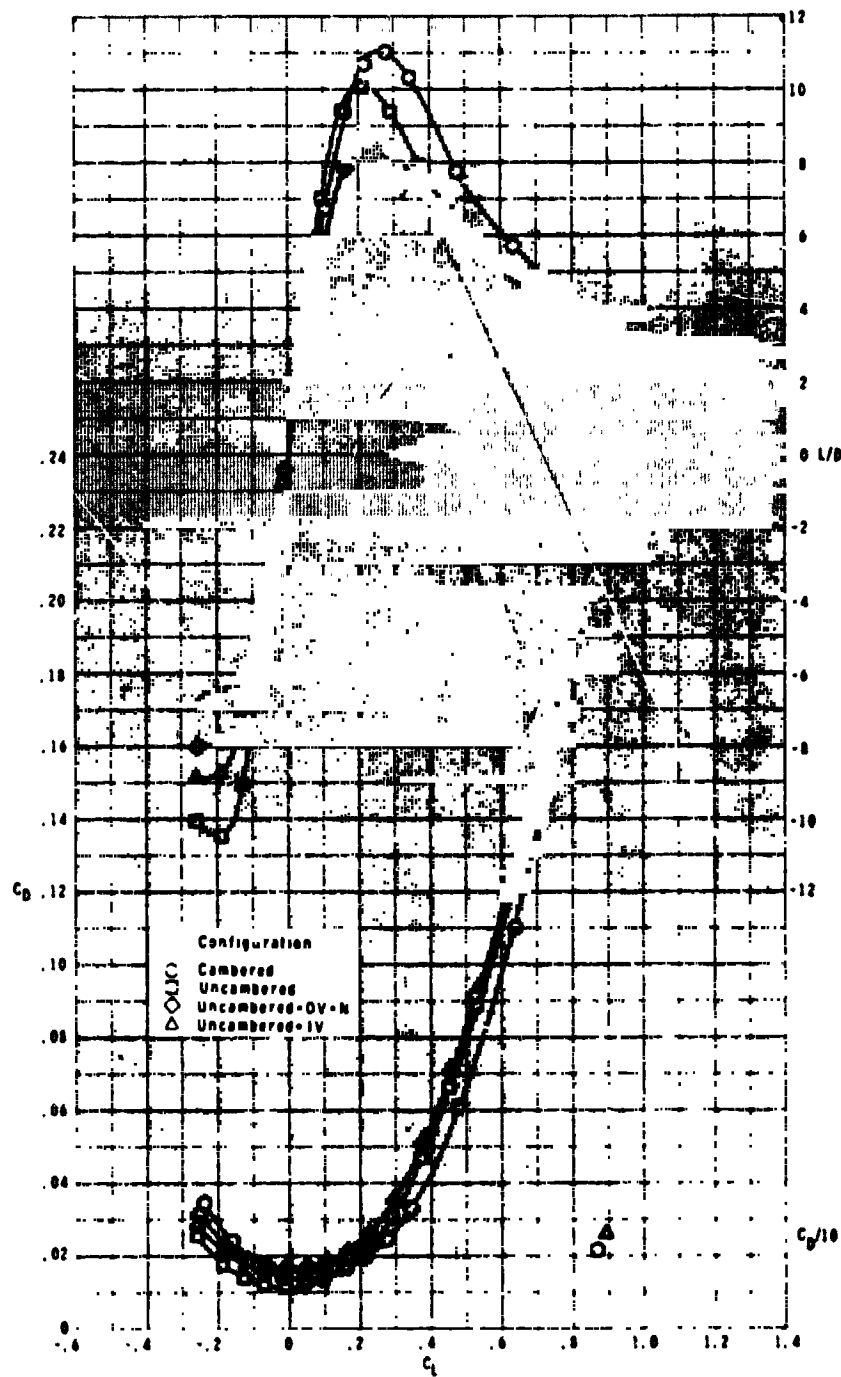
Figure 6.- Concluded.

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(a)  $M = 0.60$ .

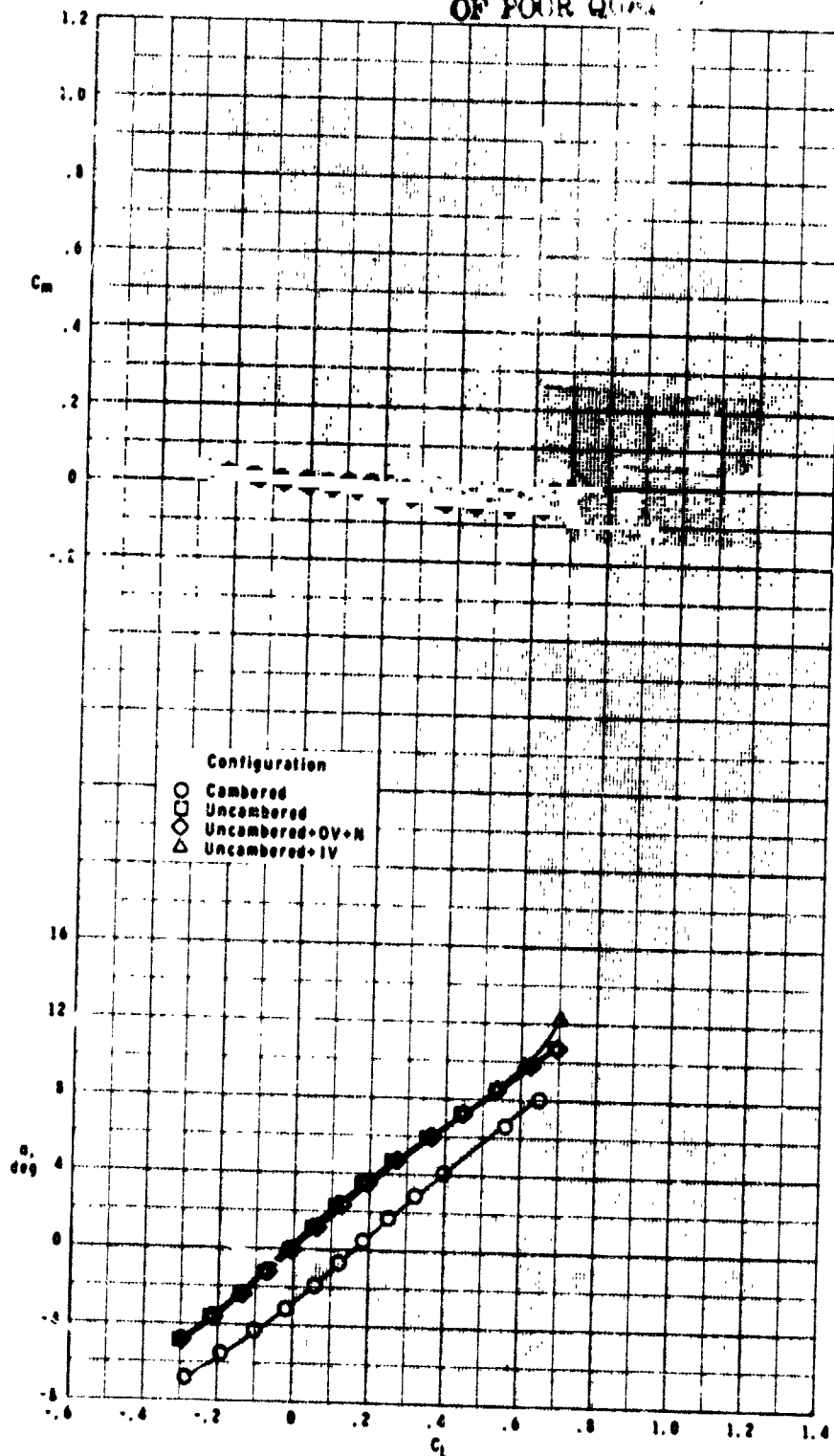
Figure 7.- Subsonic and transonic longitudinal aerodynamic characteristics of cambered and uncambered wing configurations.



(a) Concluded.

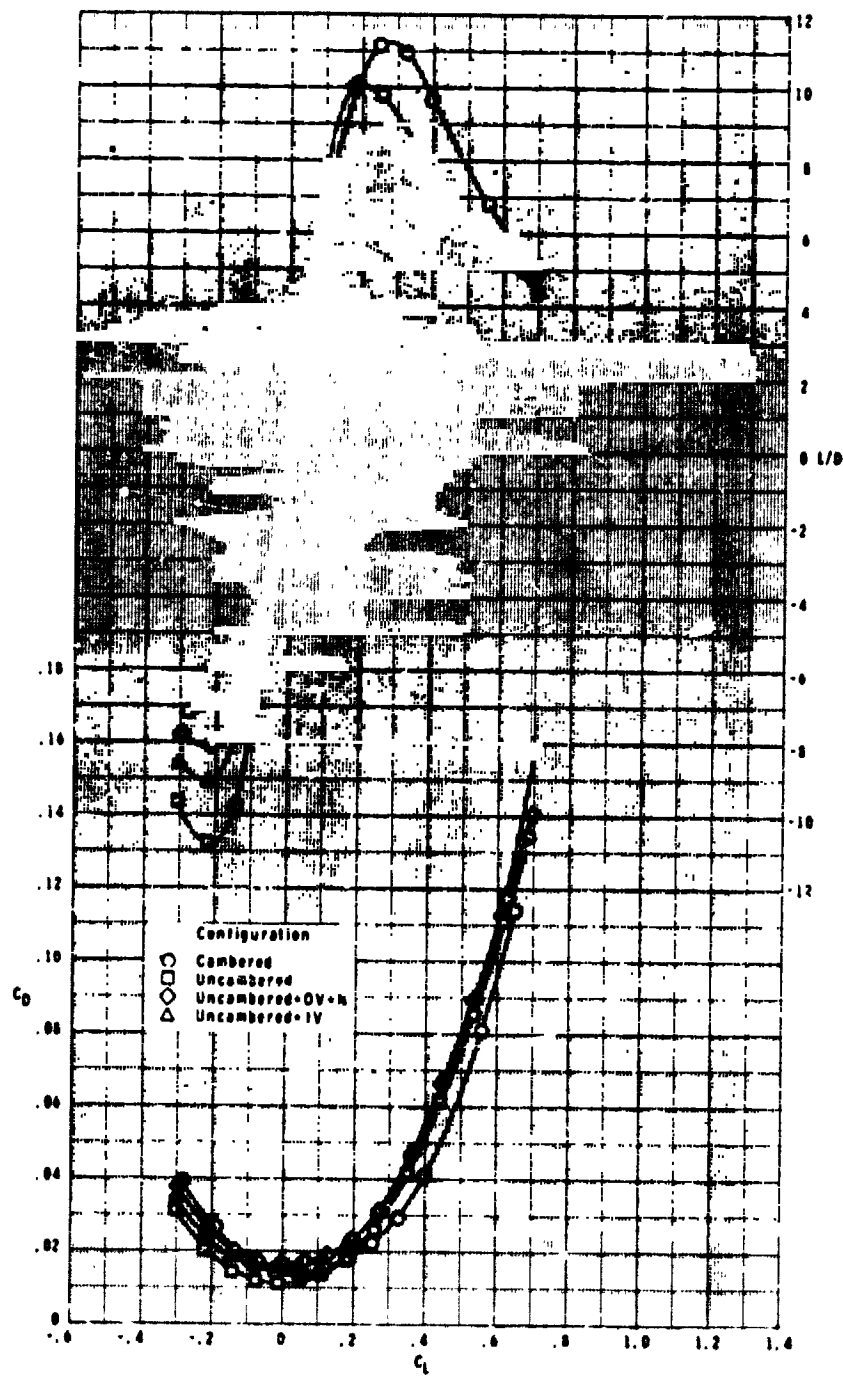
Figure 7.- Continued.

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(b)  $M = 0.90$ .

Figure 7.- Continued.

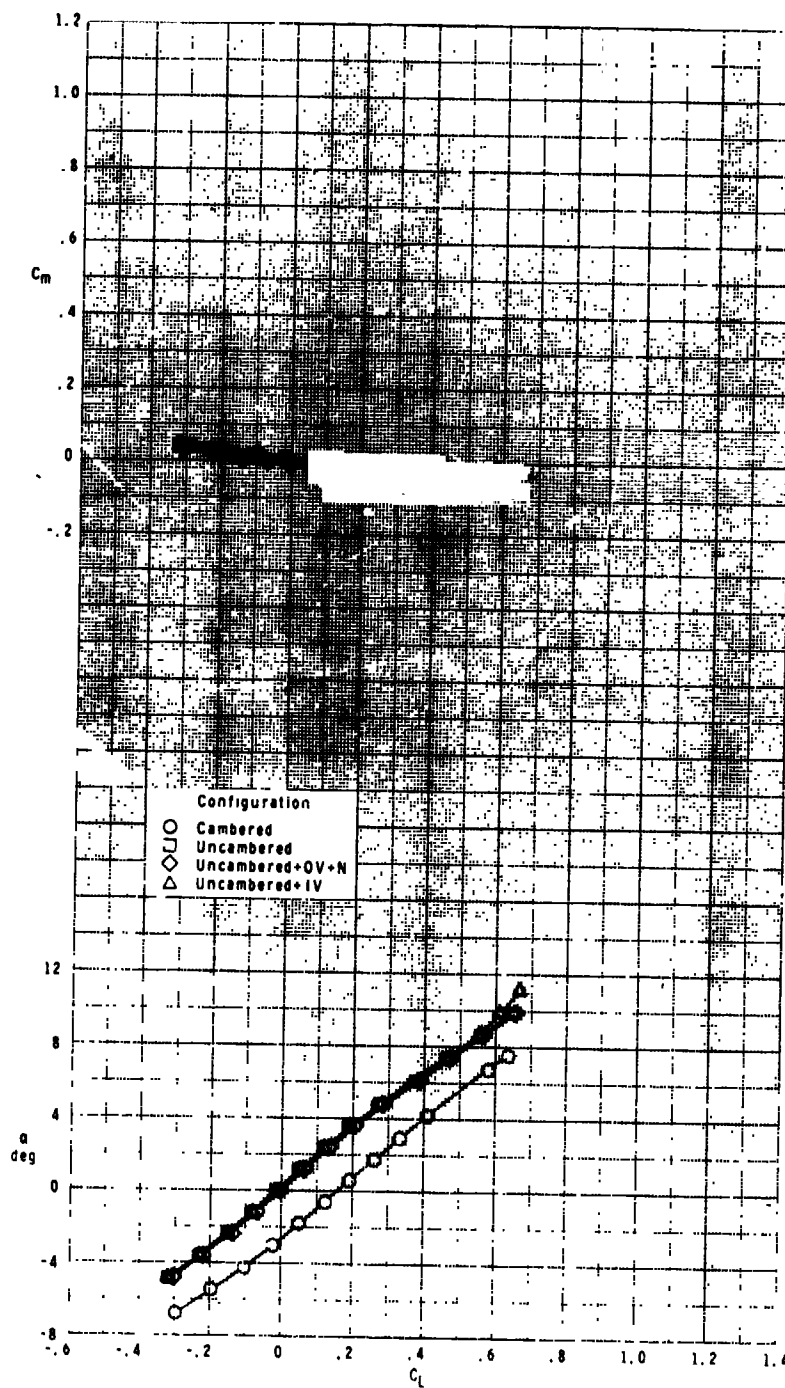


(b) Concluded.

Figure 7.- Continued.

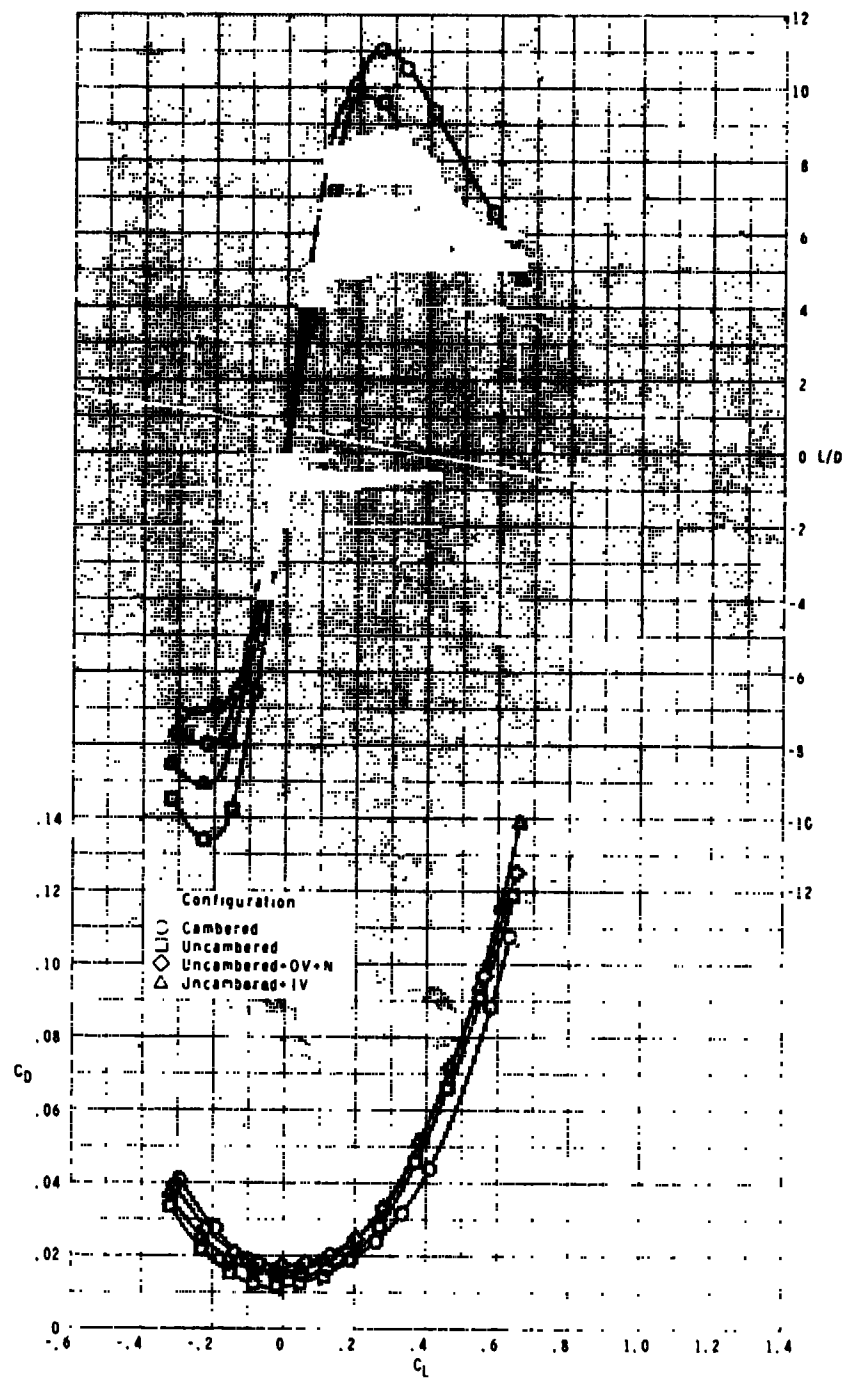


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(c)  $M = 0.95$ .

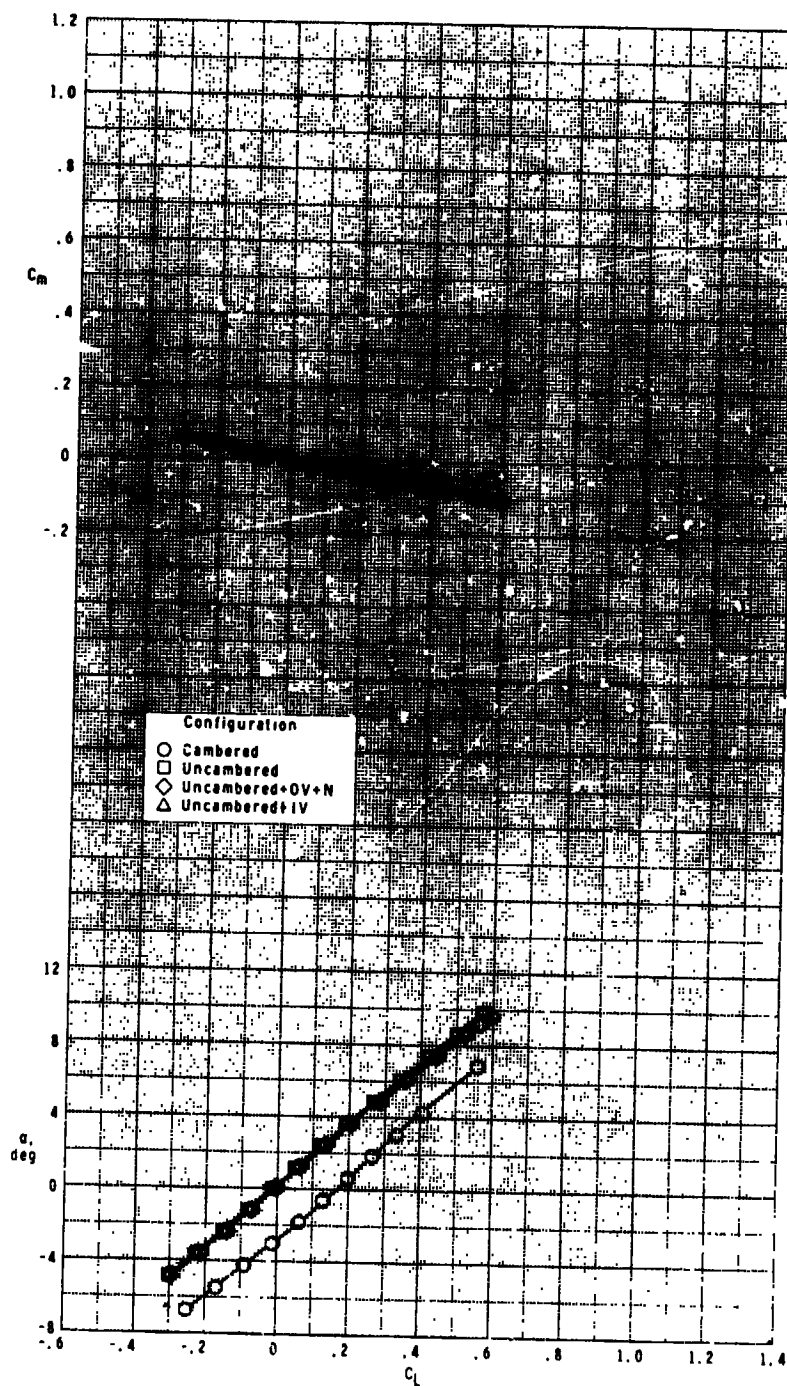
Figure 7.- Continued.



(c) Concluded.

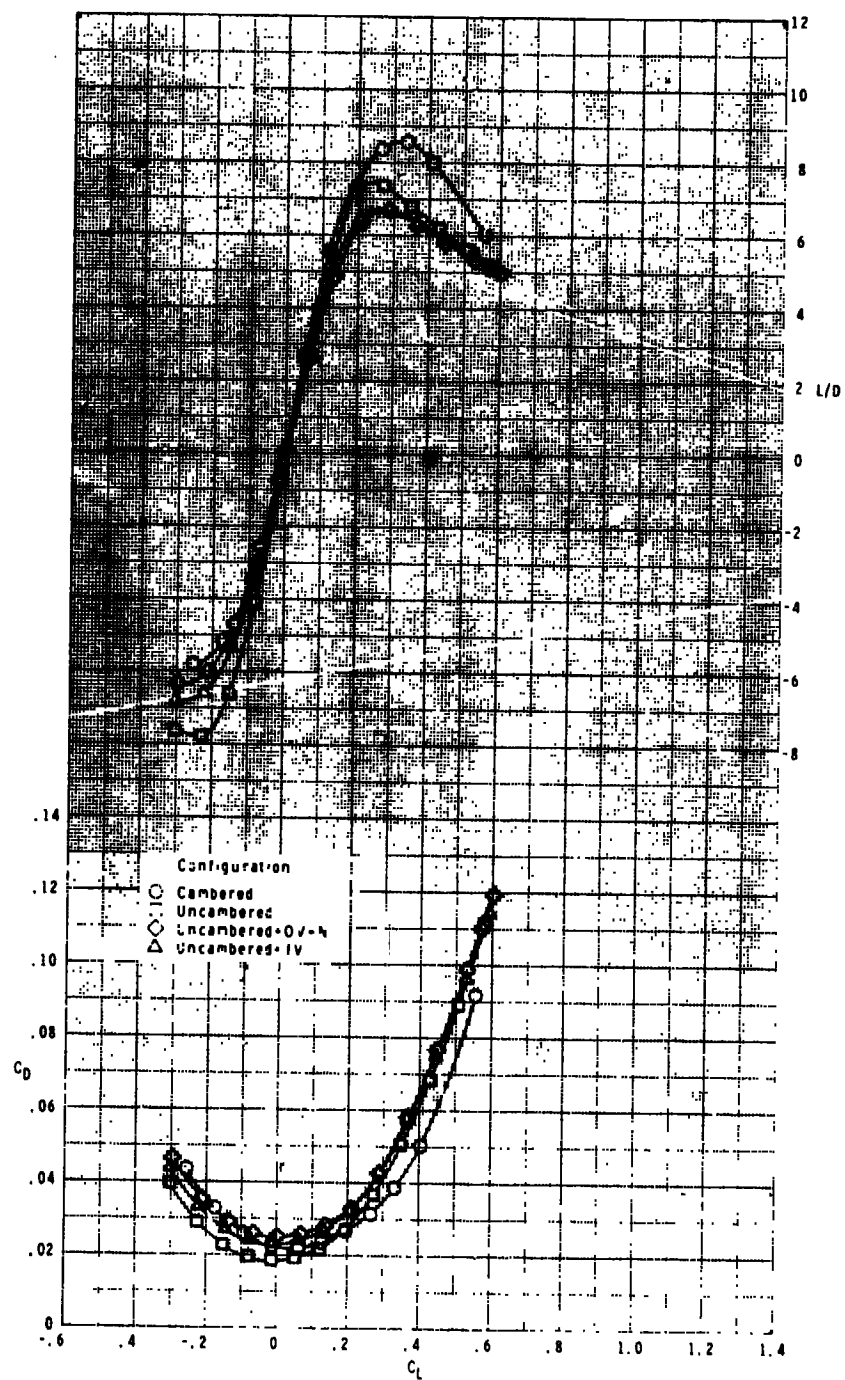
Figure 7.- Continued.

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(d)  $M = 1.20$ .

Figure 7.- Continued.

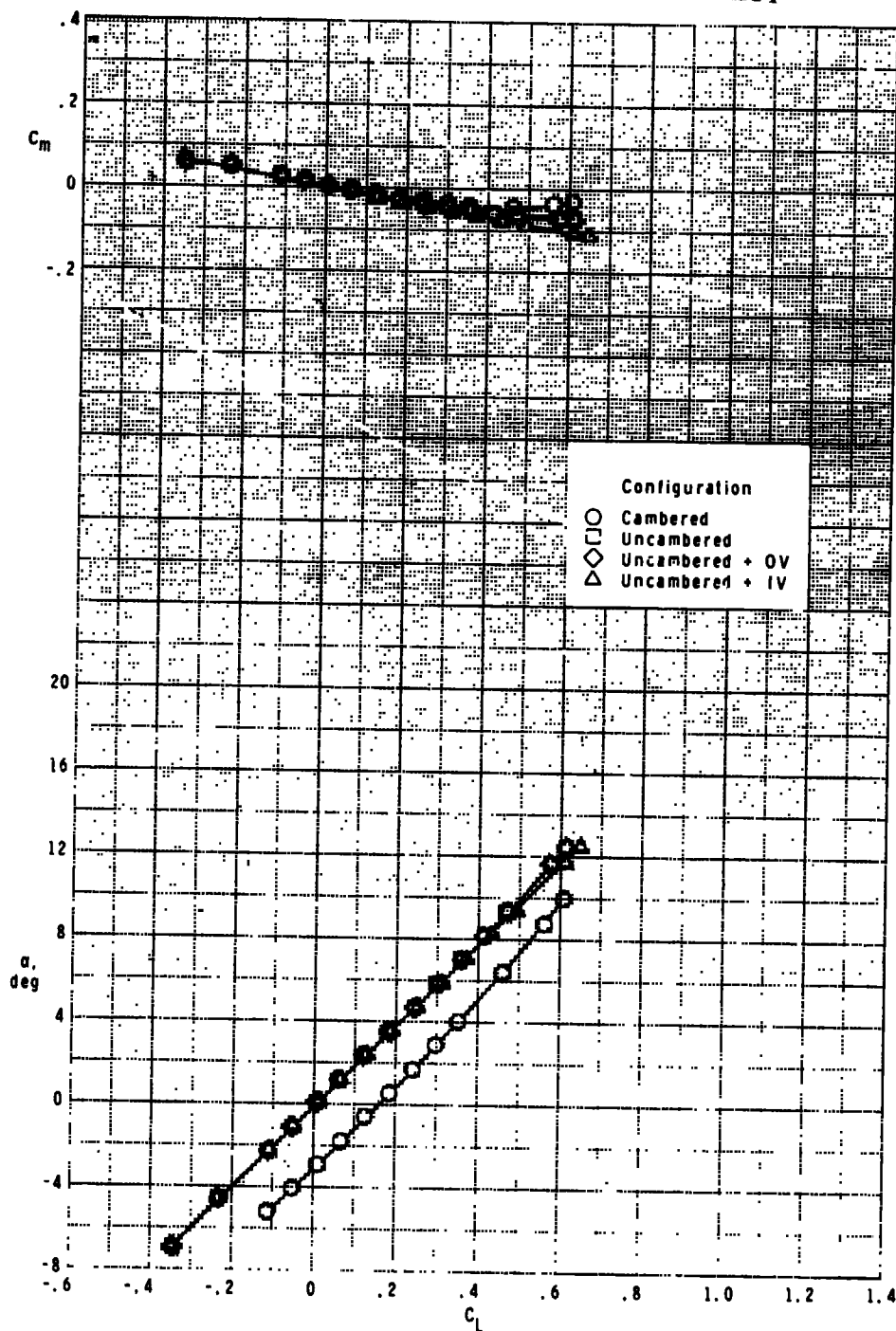


(d) Concluded.

Figure 7.- Concluded.

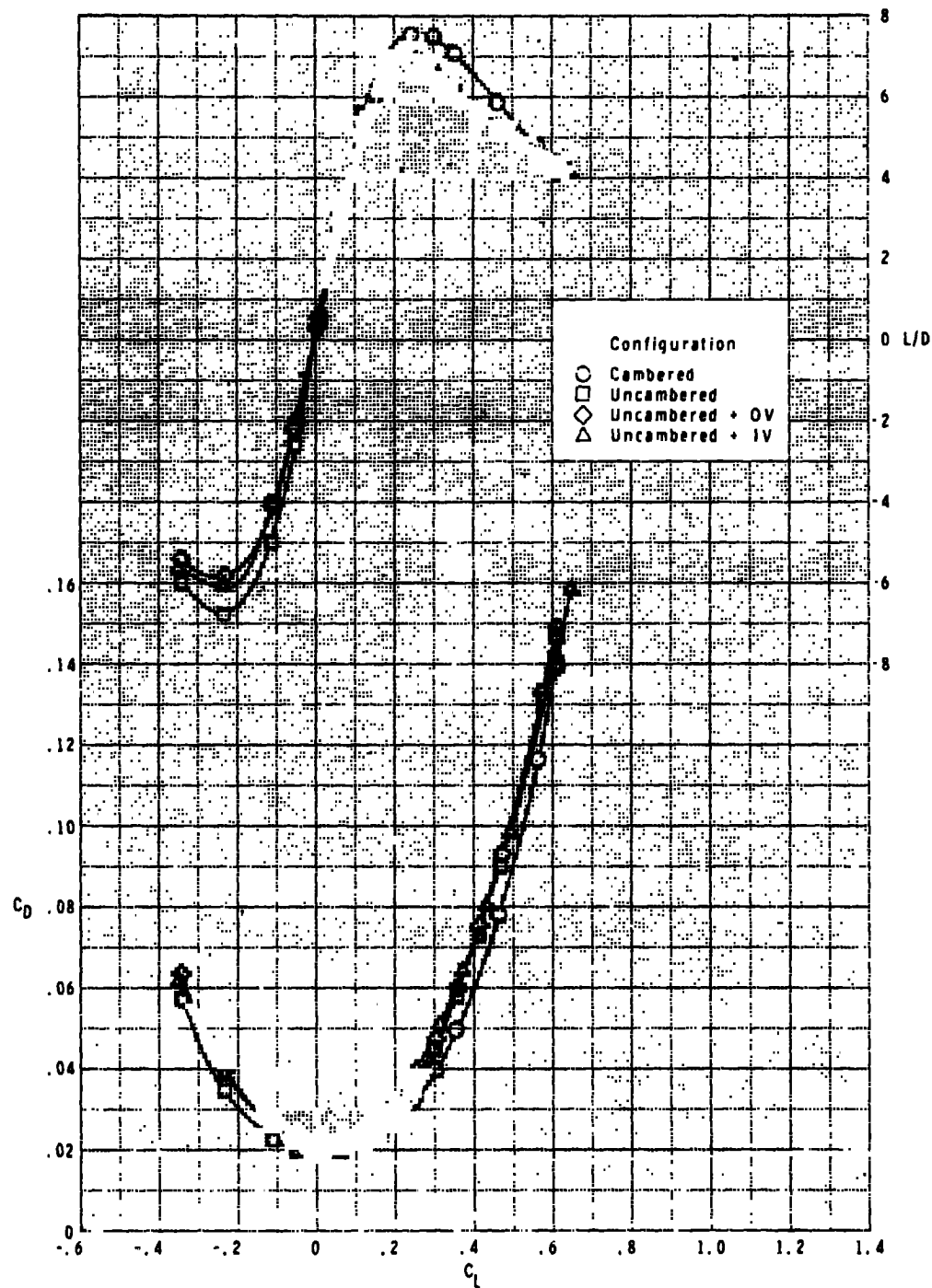
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(a)  $M = 1.60$ .

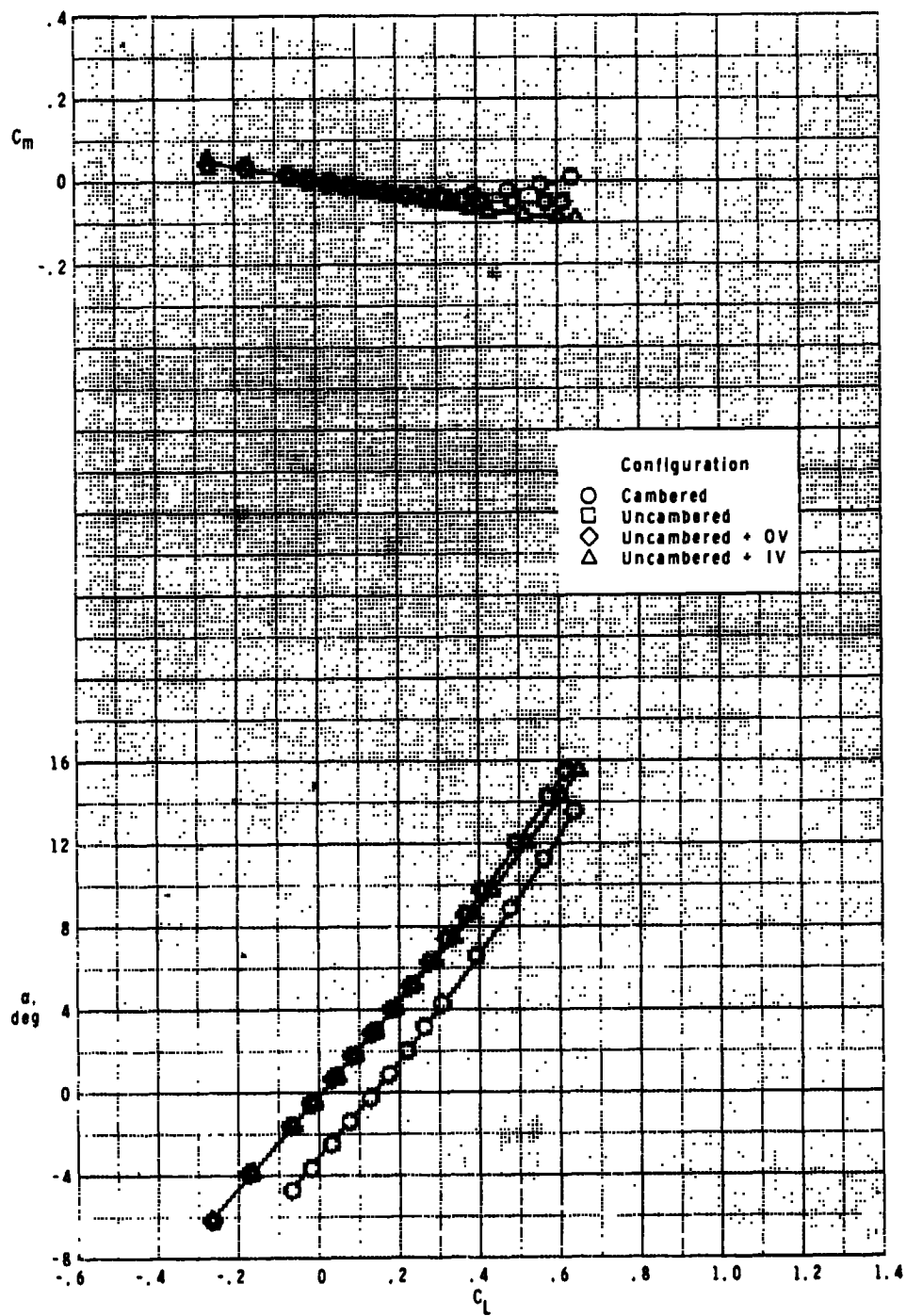
Figure 8.- Supersonic longitudinal aerodynamic characteristics of cambered and uncambered wing configurations.



(a) Concluded.

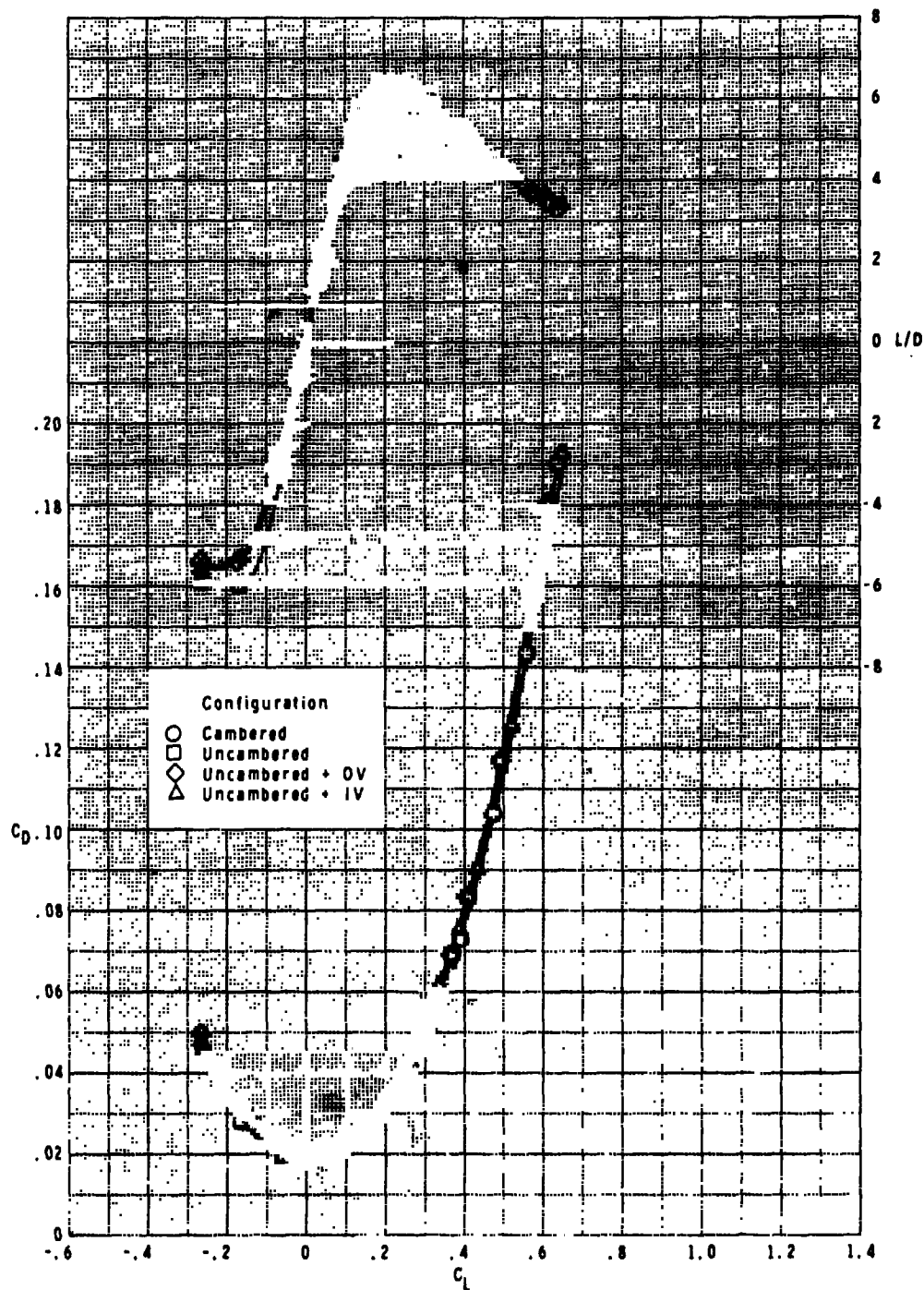
Figure 8.- Continued.

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(b)  $M = 2.00$ .

Figure 8.- Continued.

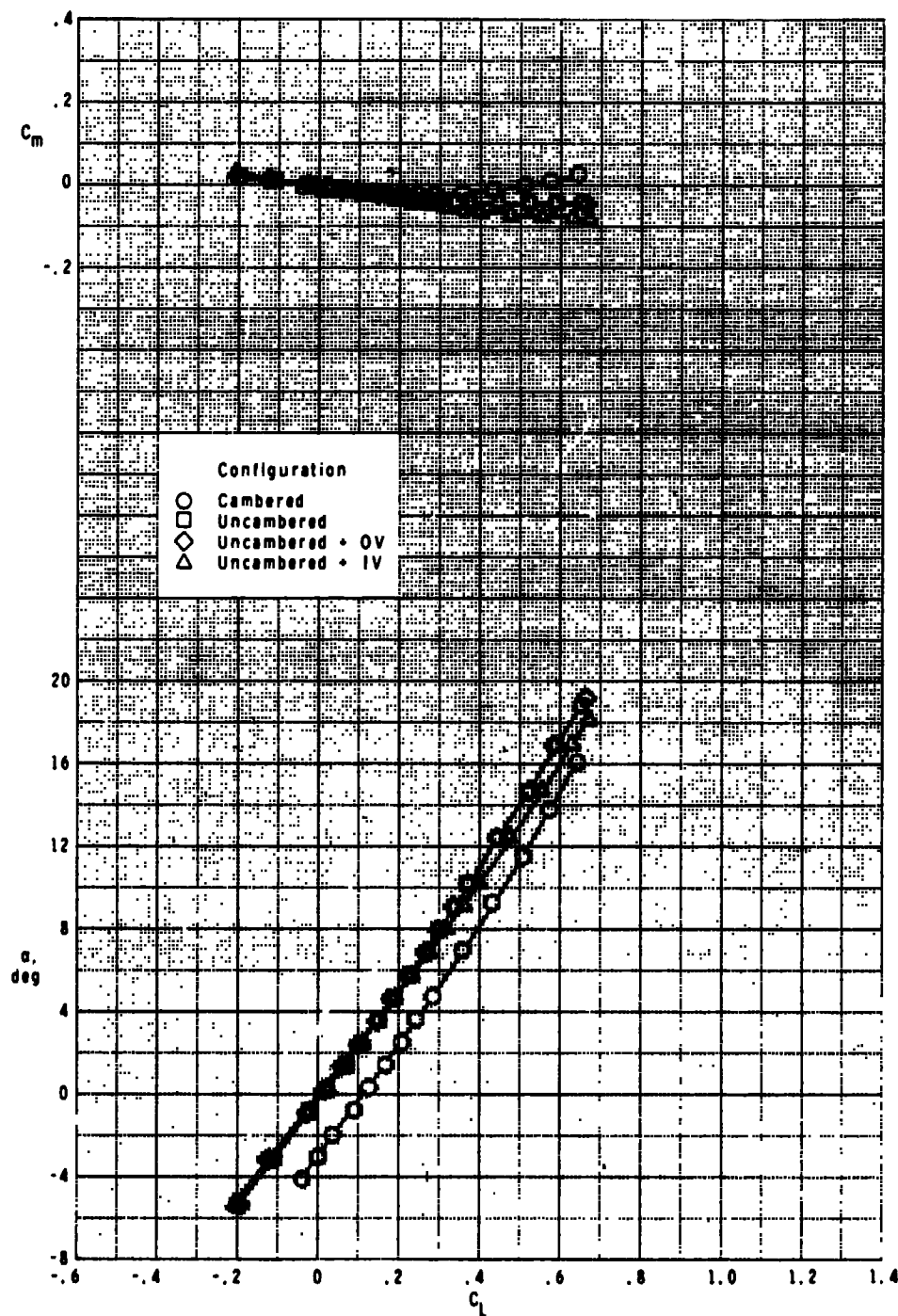


(b) Concluded.

Figure 8.- Continued.

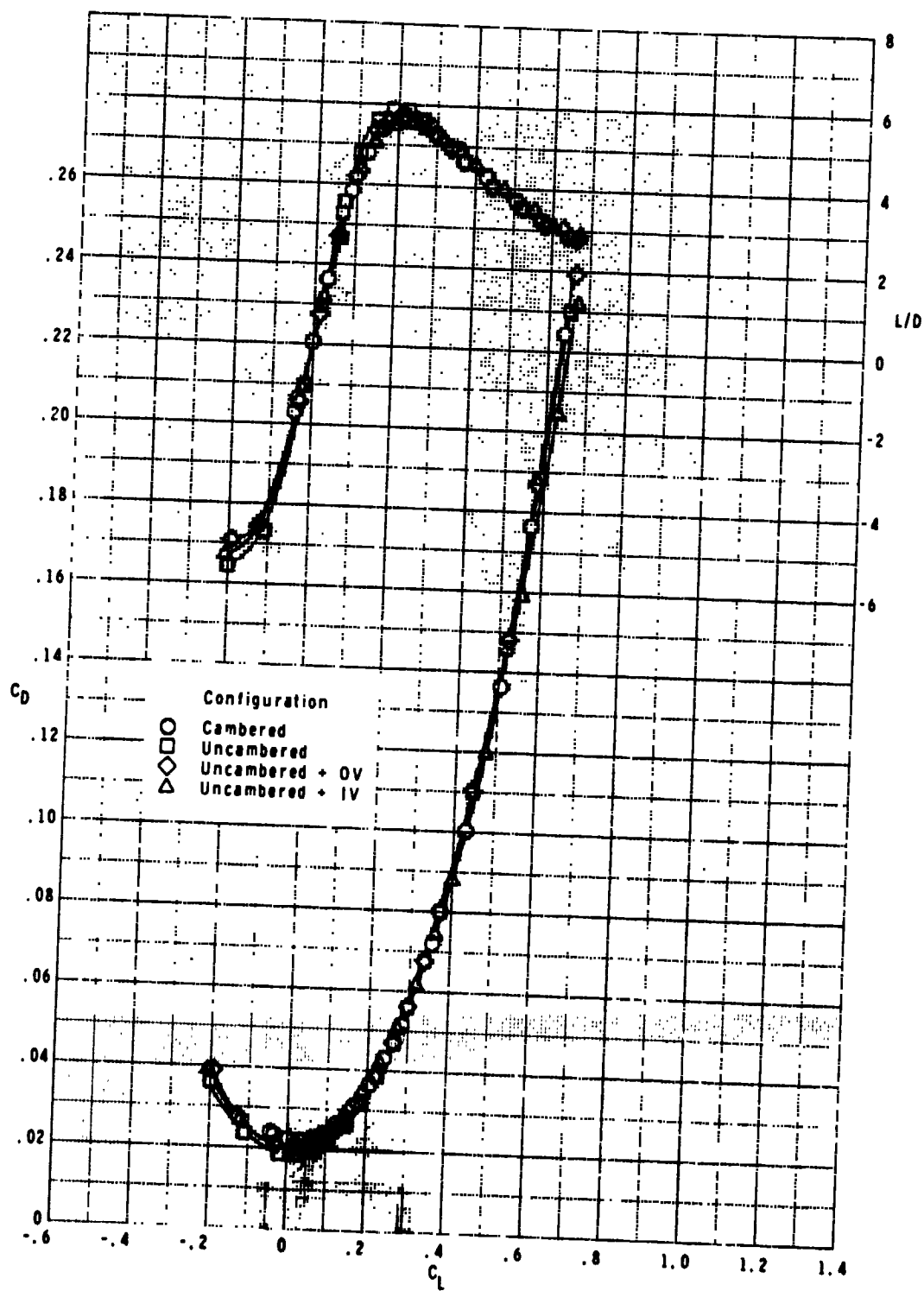


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(c)  $M = 2.36$ .

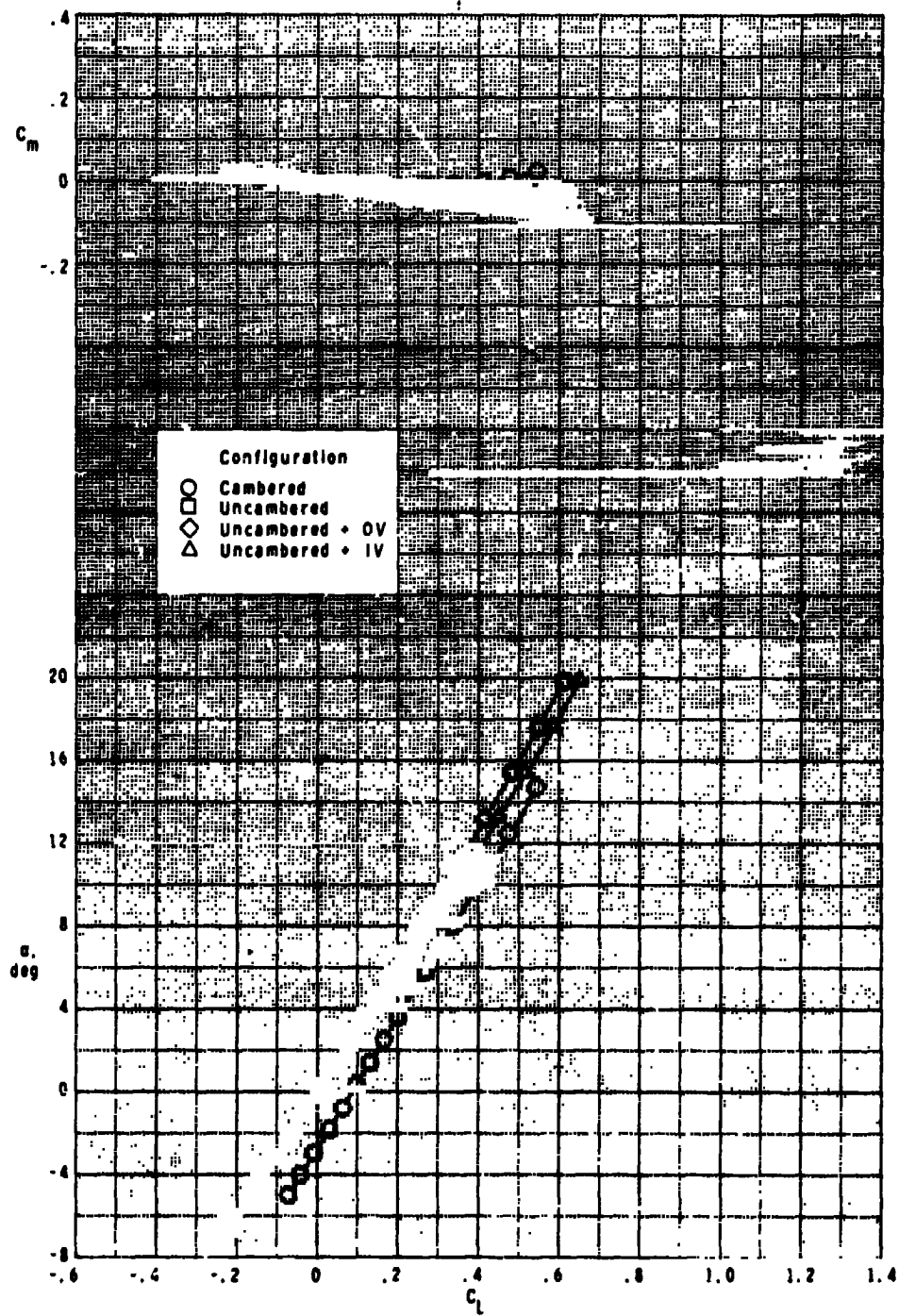
Figure 8.- Continued.



(c) Concluded.

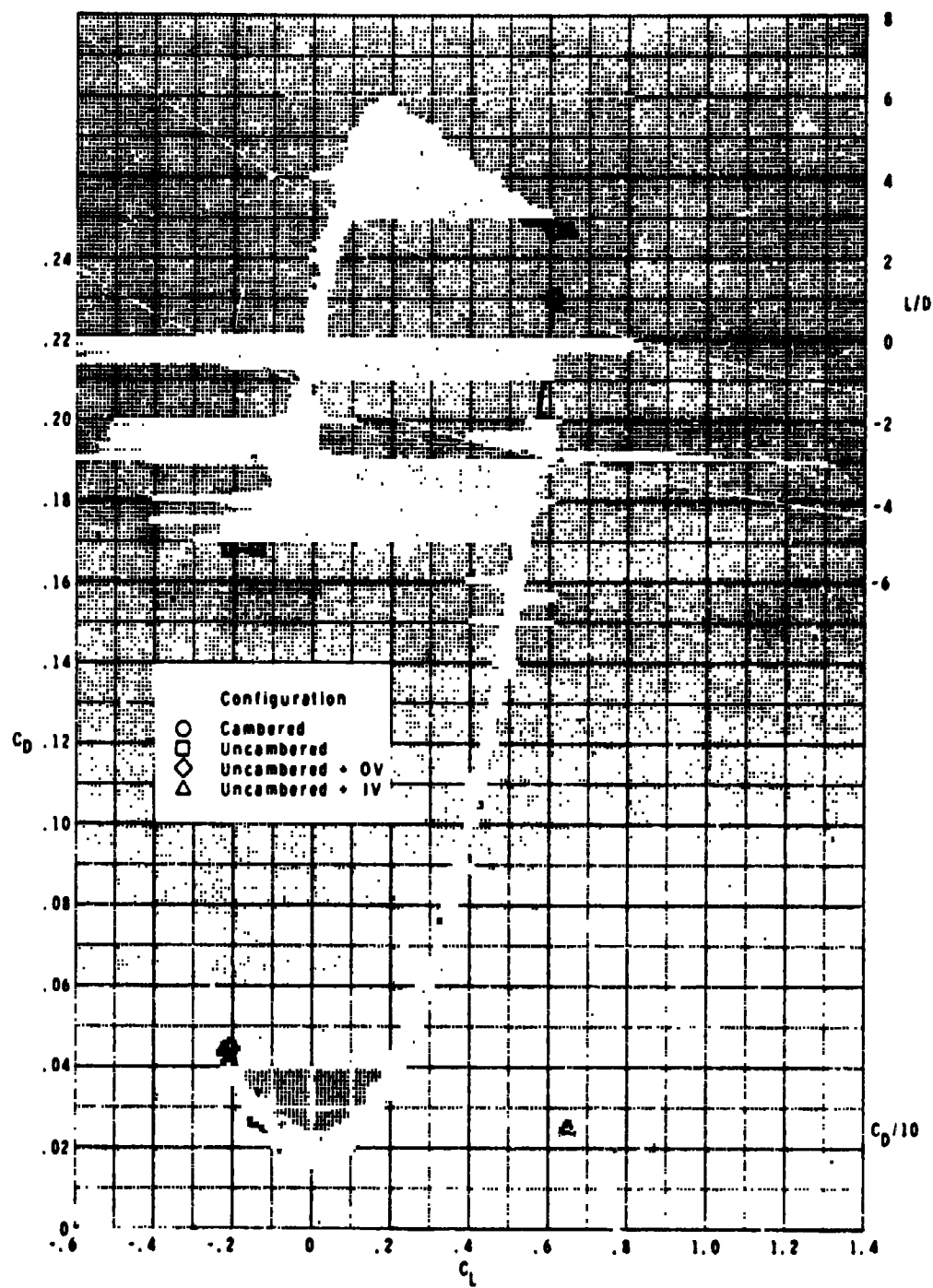
Figure 8.- Continued.

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(d)  $M = 2.70$ .

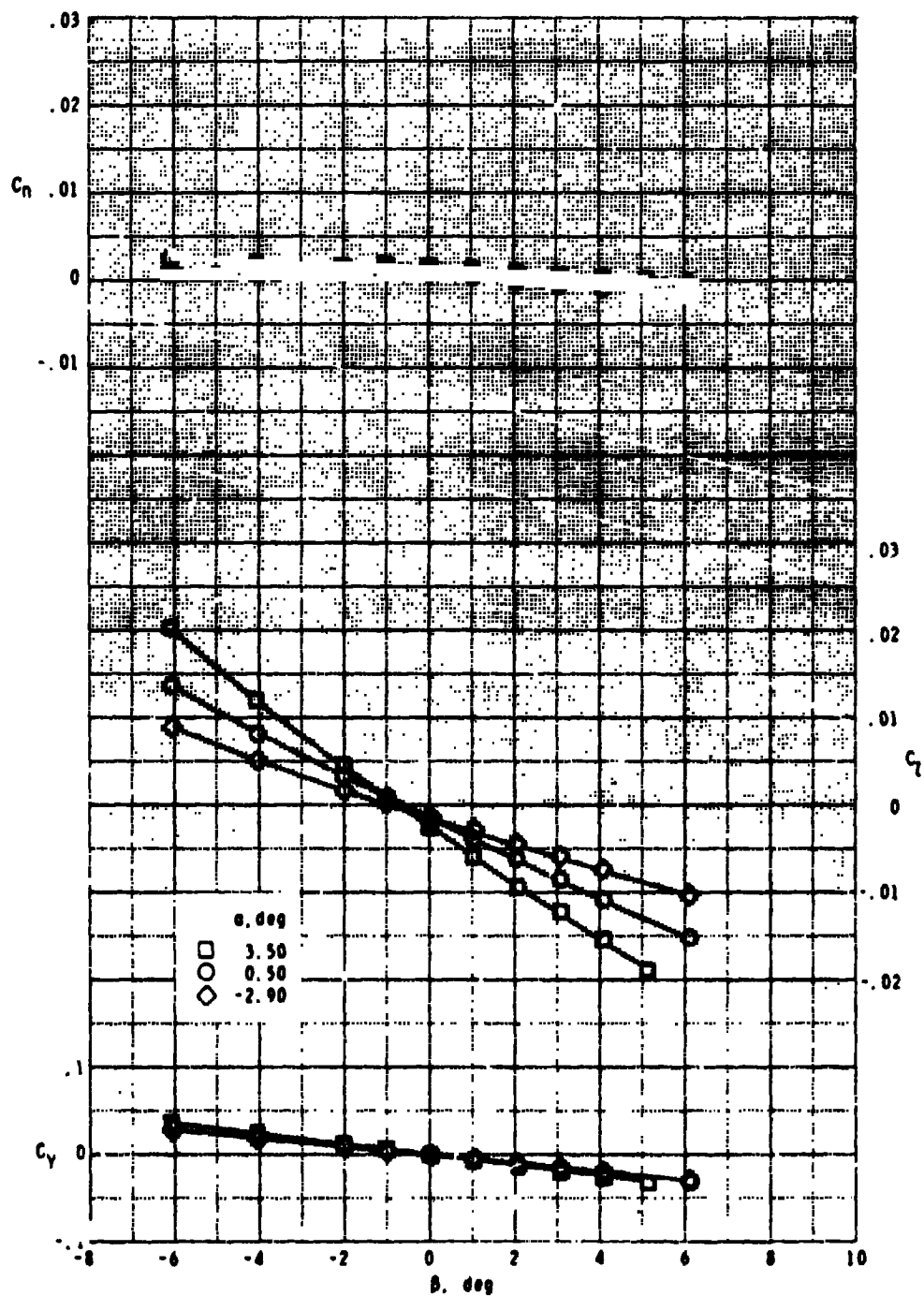
Figure 8.- Continued.



(d) Concluded.

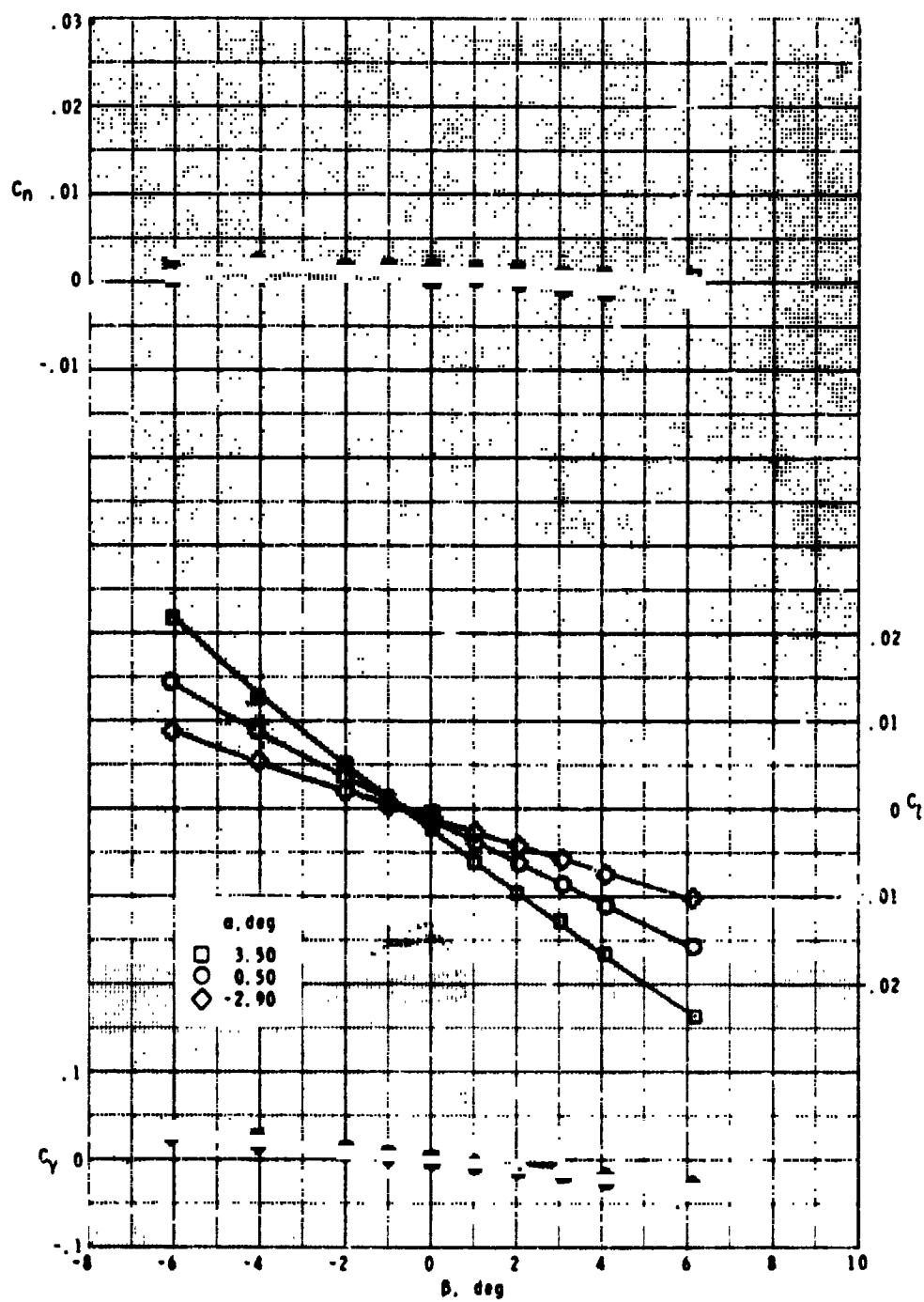
Figure 8.- Concluded.

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(a)  $M = 0.60$ .

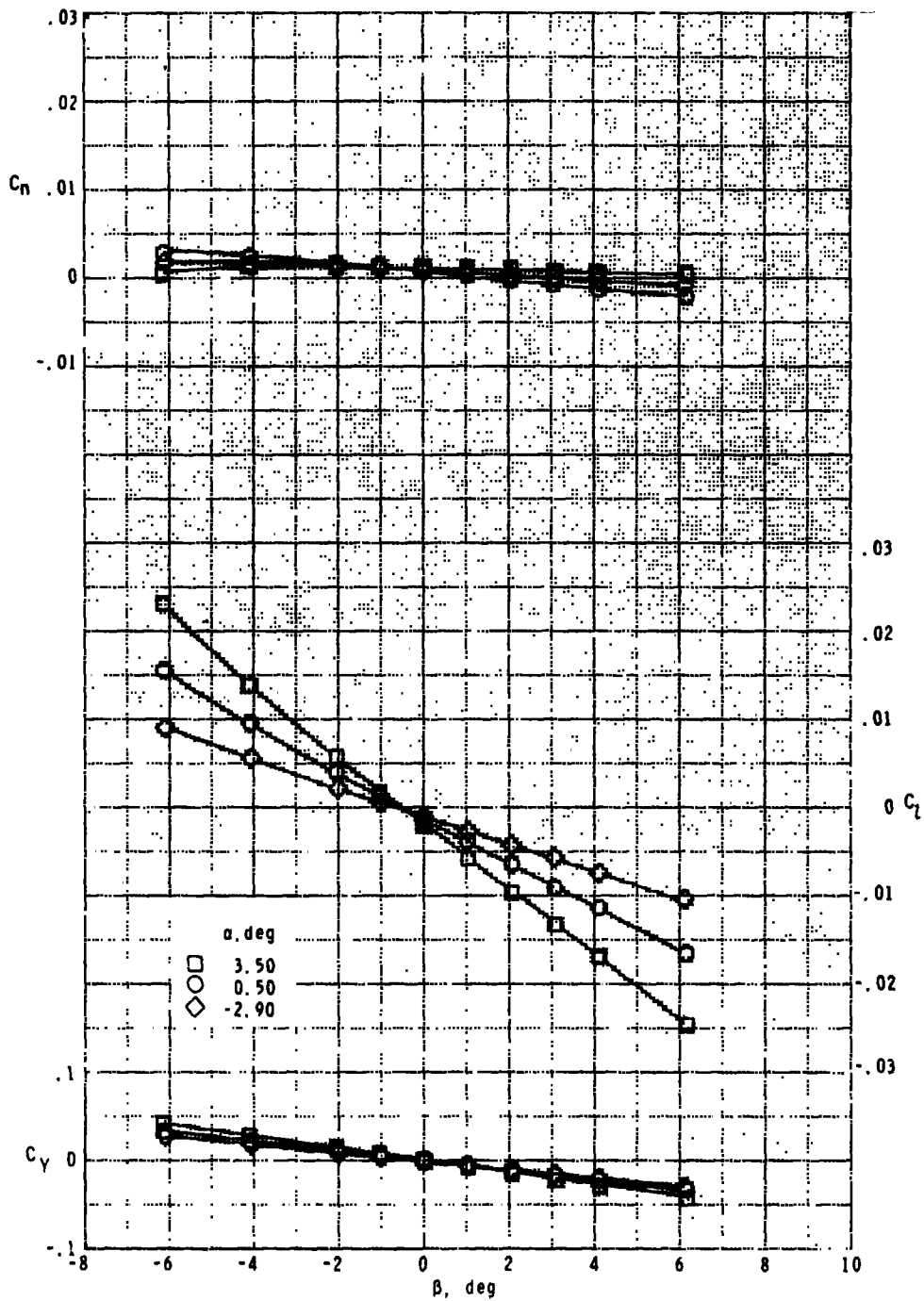
Figure 9.- Subsonic and transonic lateral aerodynamic characteristics of cambered wing configurations (without nacelle planform simulation).



(b)  $M = 0.80$ .

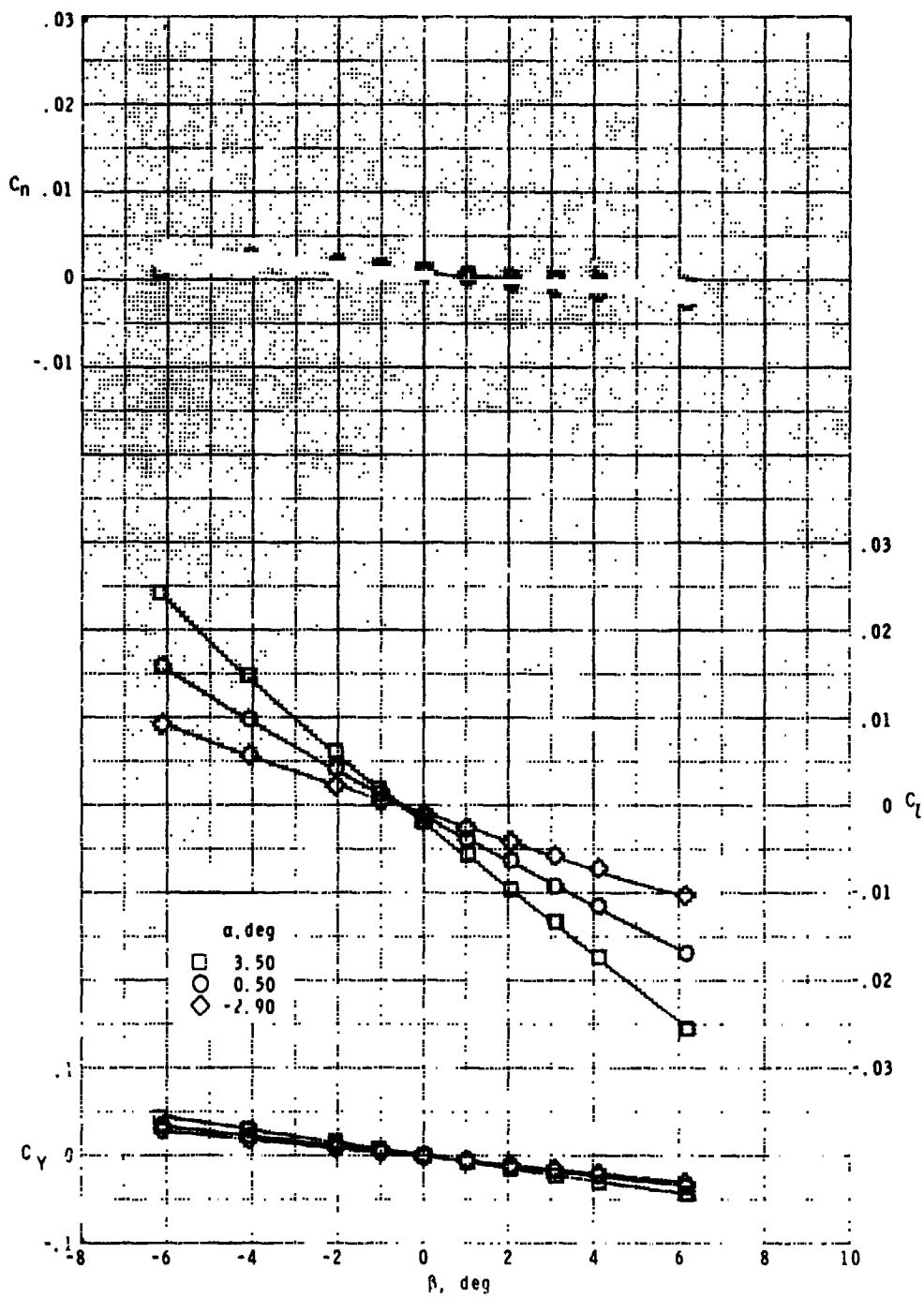
Figure 9.- Continued.

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(c)  $M = 0.90$ .

Figure 9.- Continued.

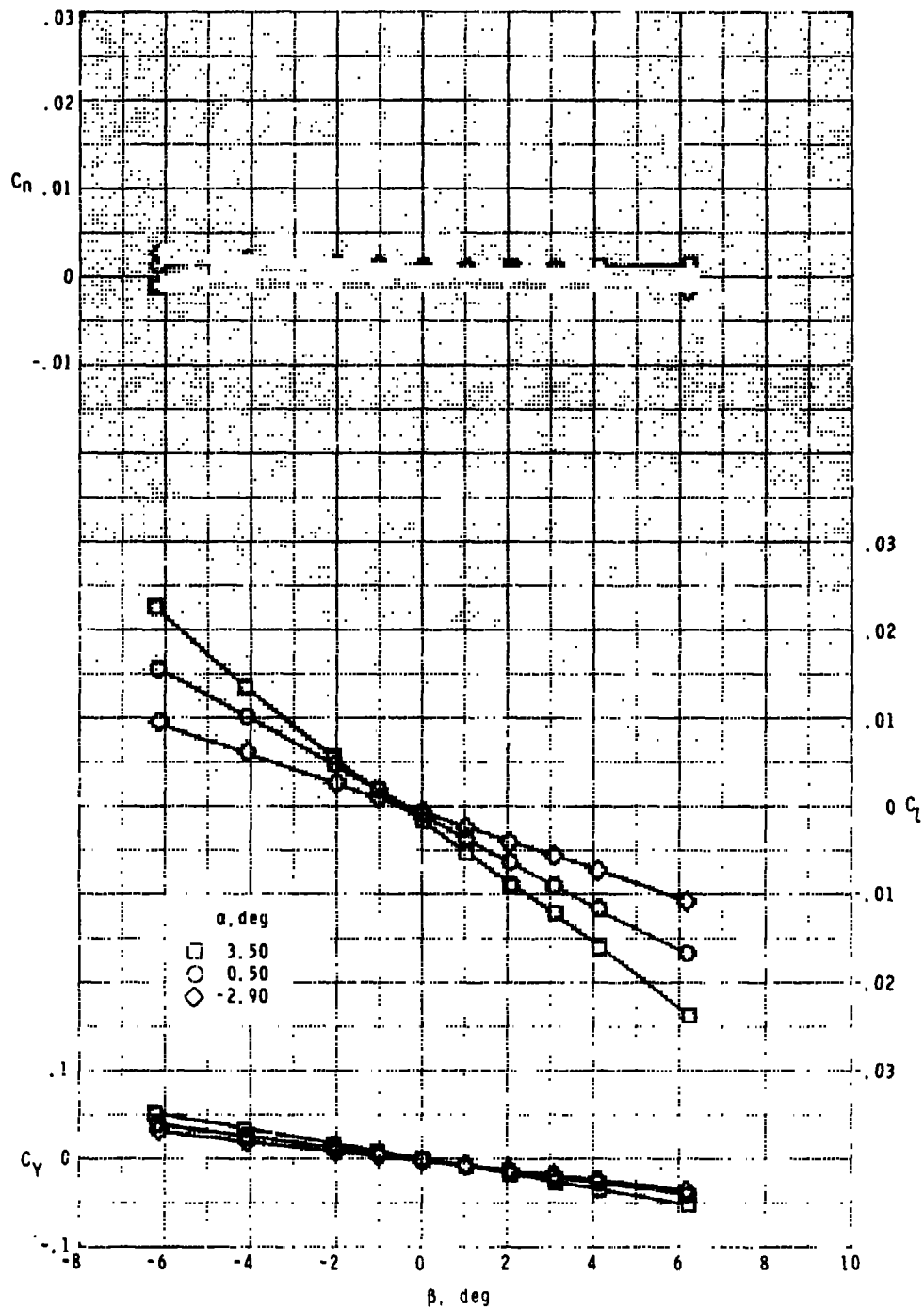


(d)  $M = 0.95$ .

Figure 9.- Continued.

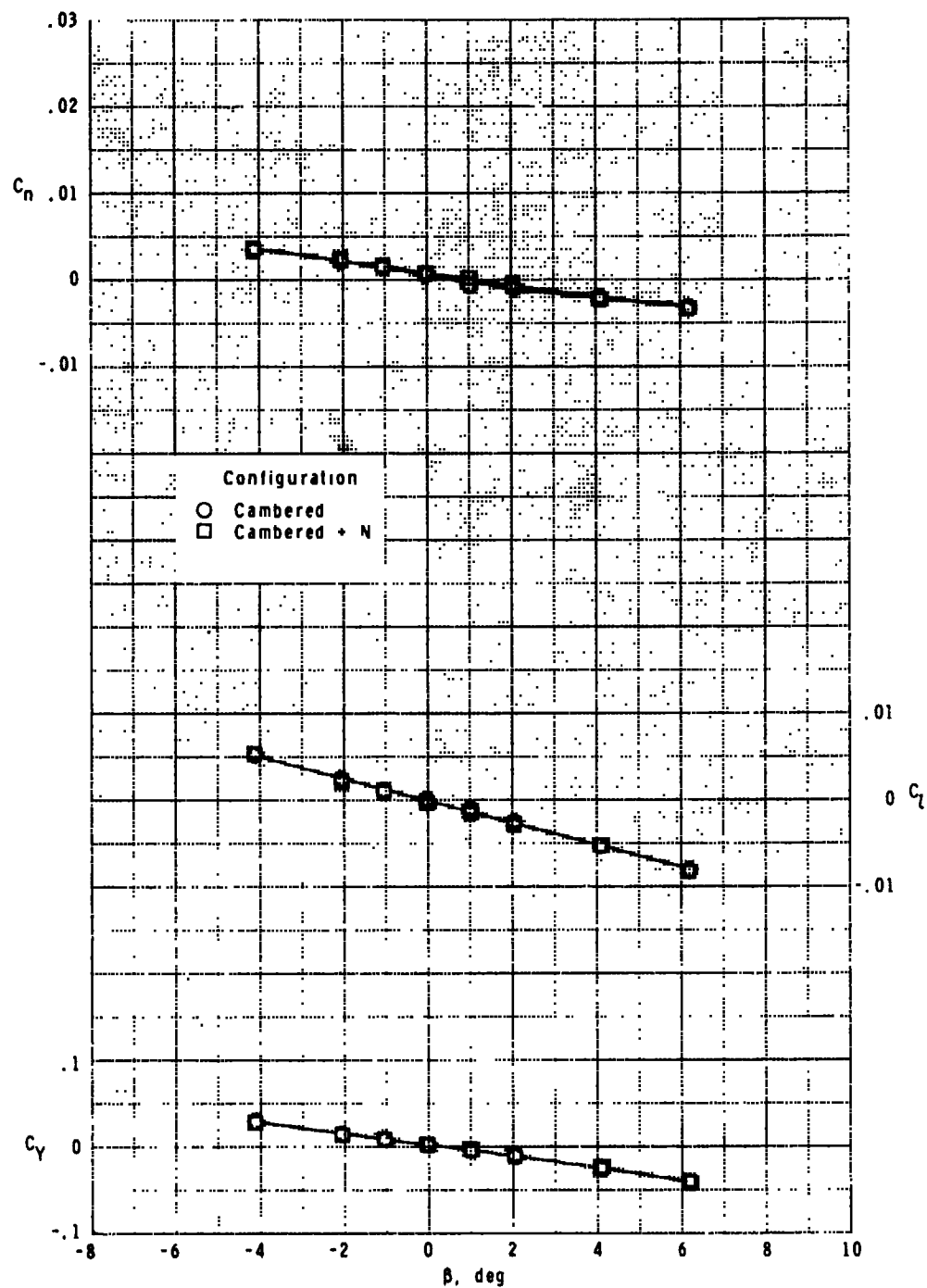


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(e)  $M = 1.20$ .

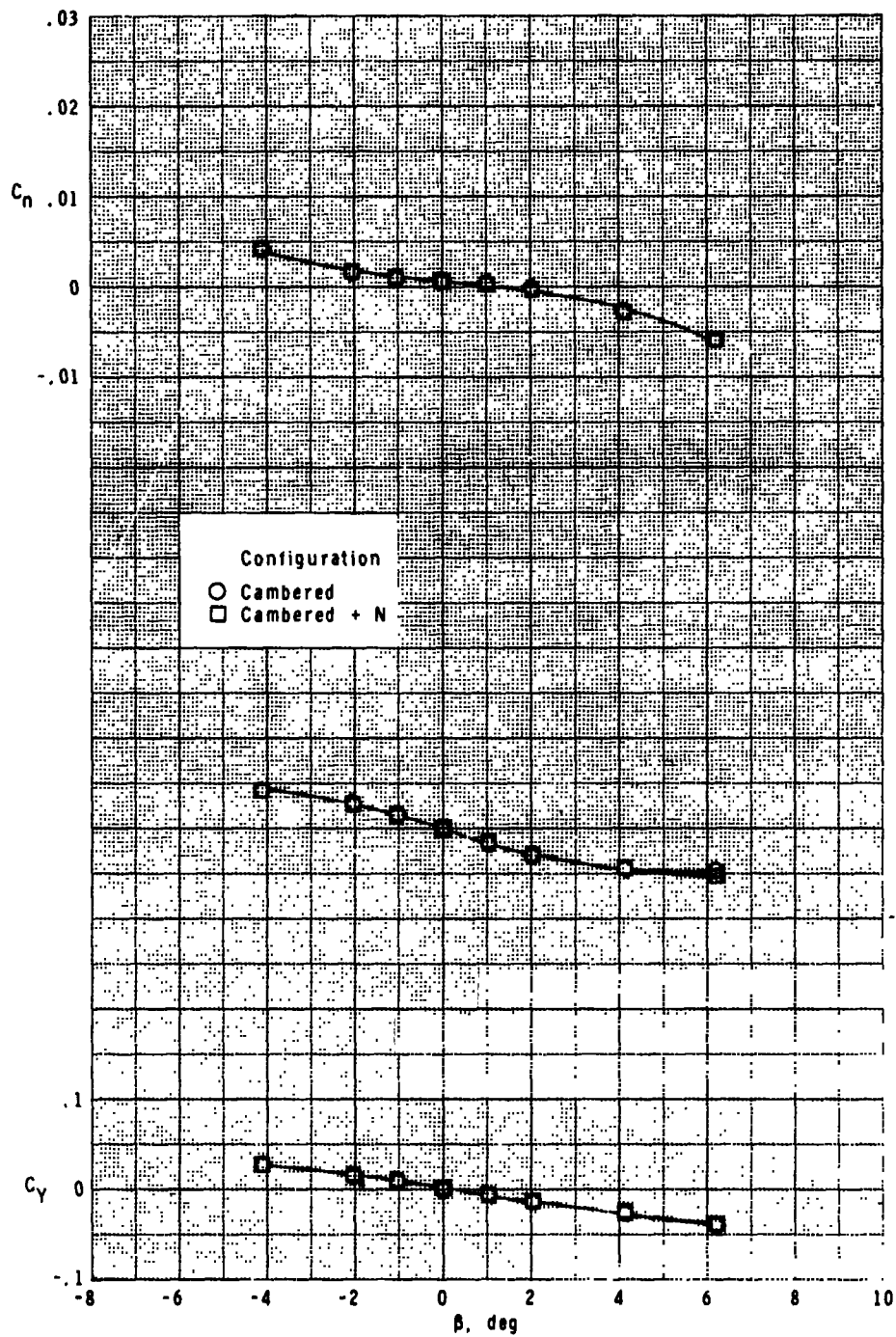
Figure 9.- Concluded.



(a)  $M = 1.60$ .

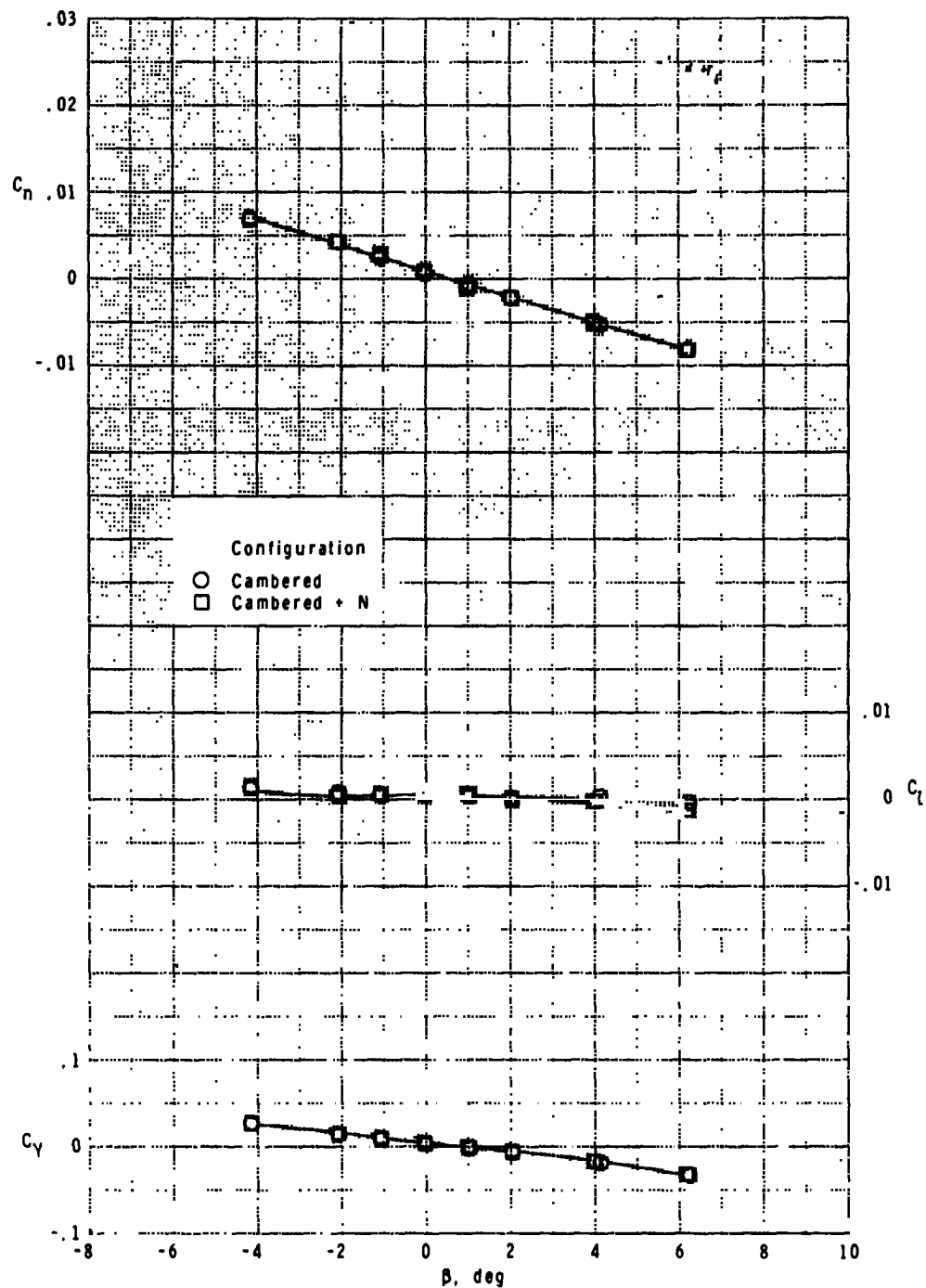
Figure 10.- Supersonic lateral aerodynamic characteristics of cambered wing configurations at  $\alpha = -5.2^\circ$ .

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(b)  $M = 2.00$ .

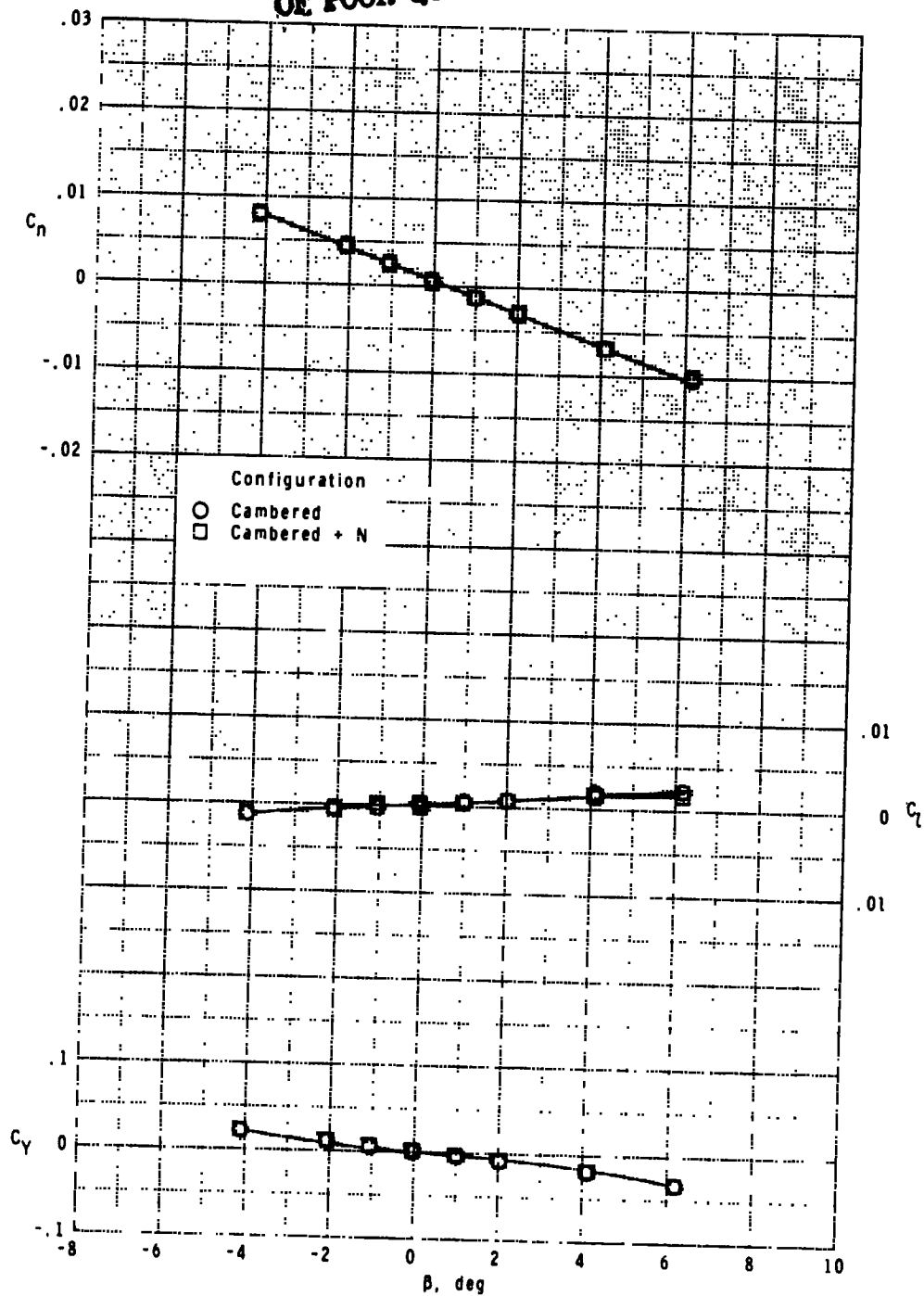
Figure 10.- Continued.



(c)  $M = 2.36$ .

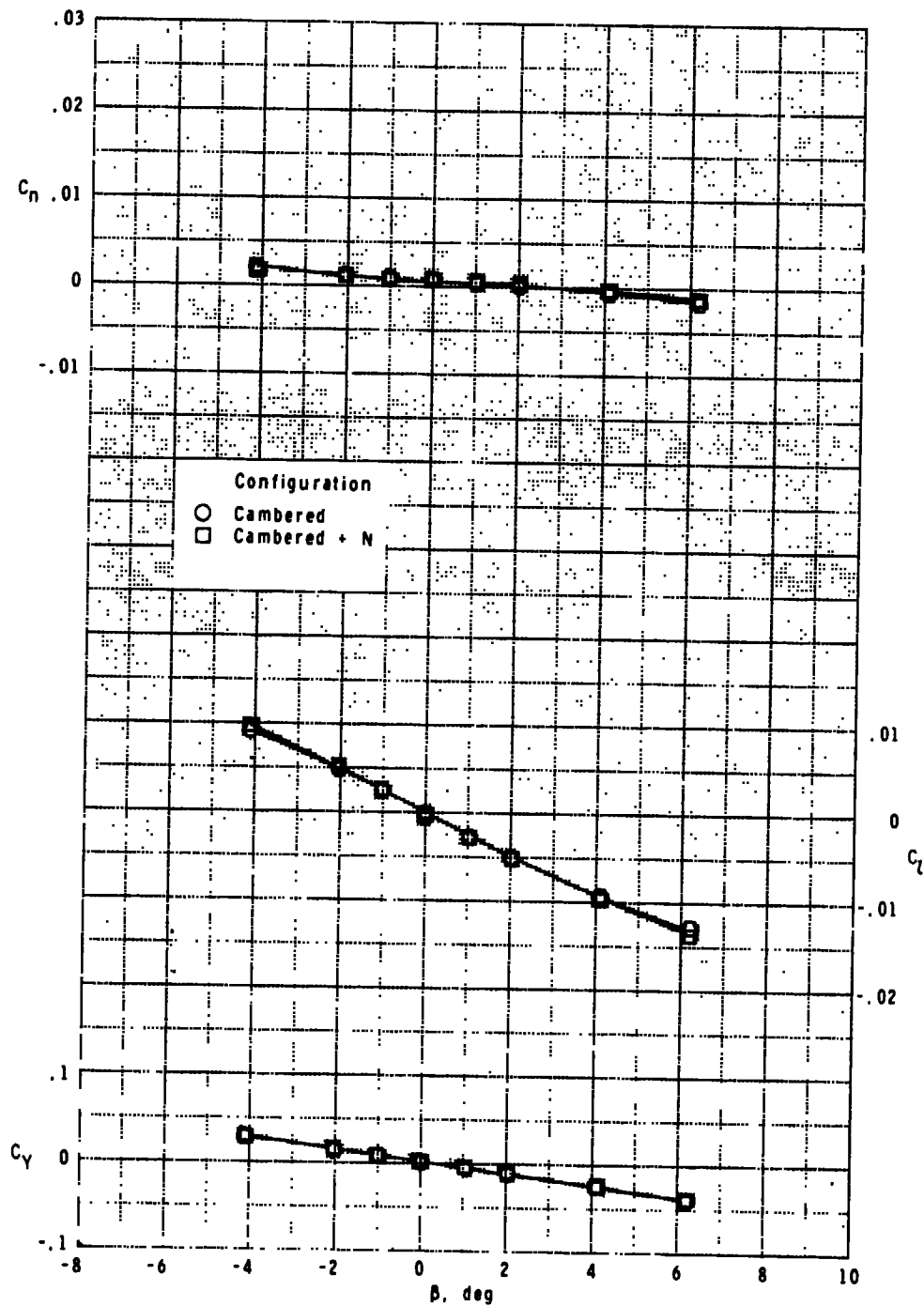
Figure 10.- Continued.

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(d)  $M = 2.70$ .

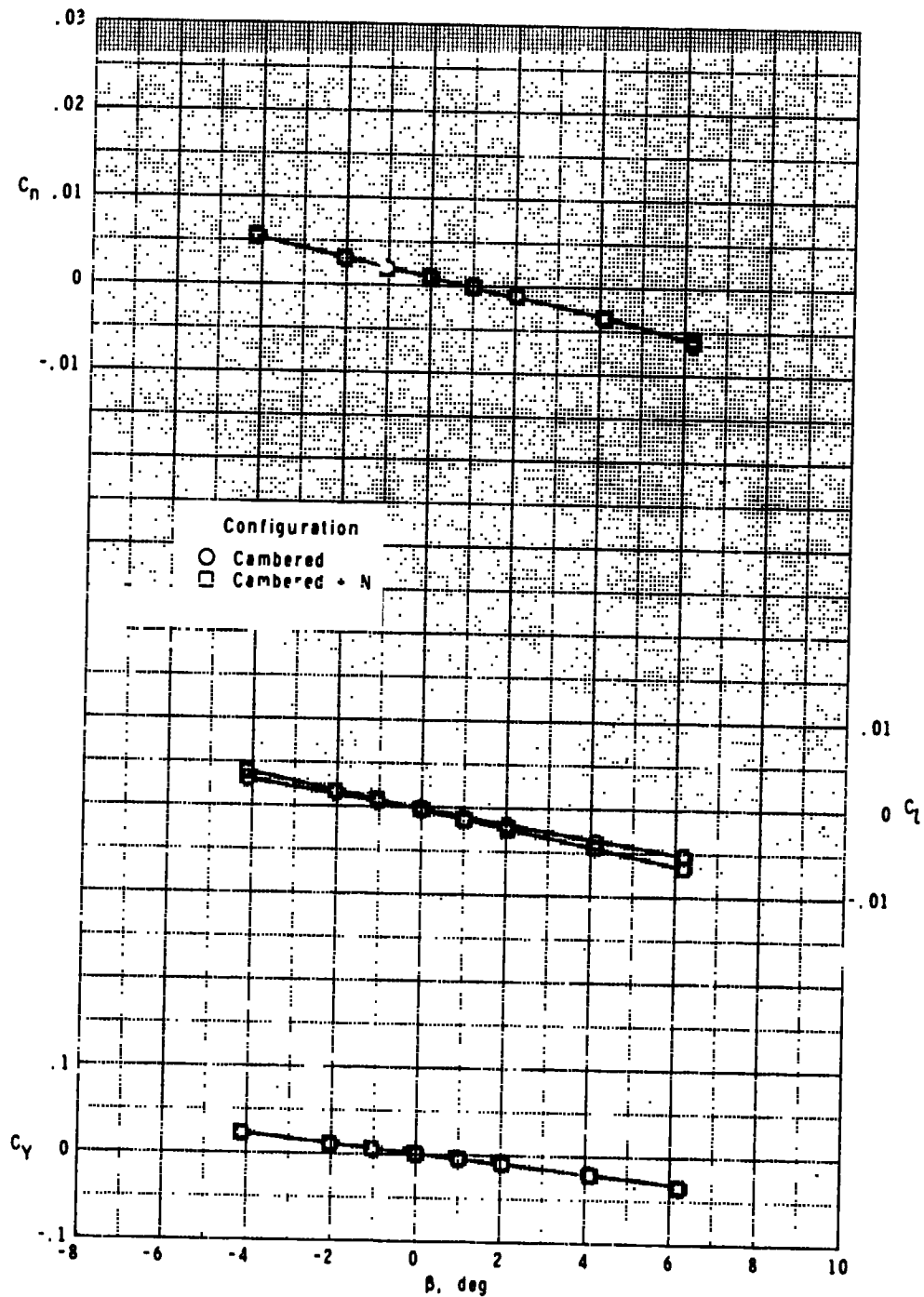
Figure 10.- Concluded.



(a)  $M = 1.60$ .

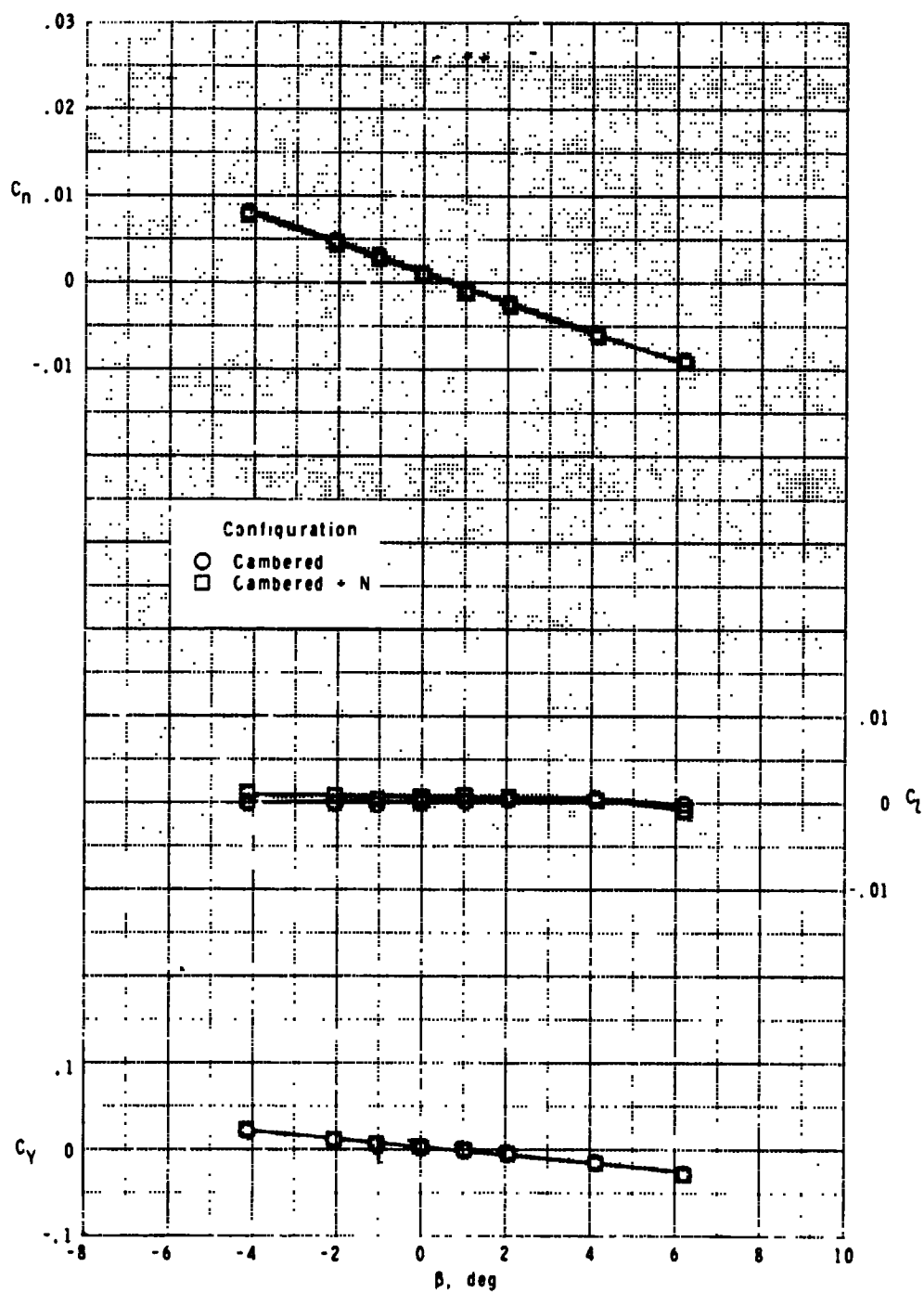
Figure 11.- Supersonic lateral aerodynamic characteristics of cambered wing configurations at  $\alpha \sim -0.6^\circ$ .

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(b)  $M = 2.00$ .

Figure 11.- Continued.

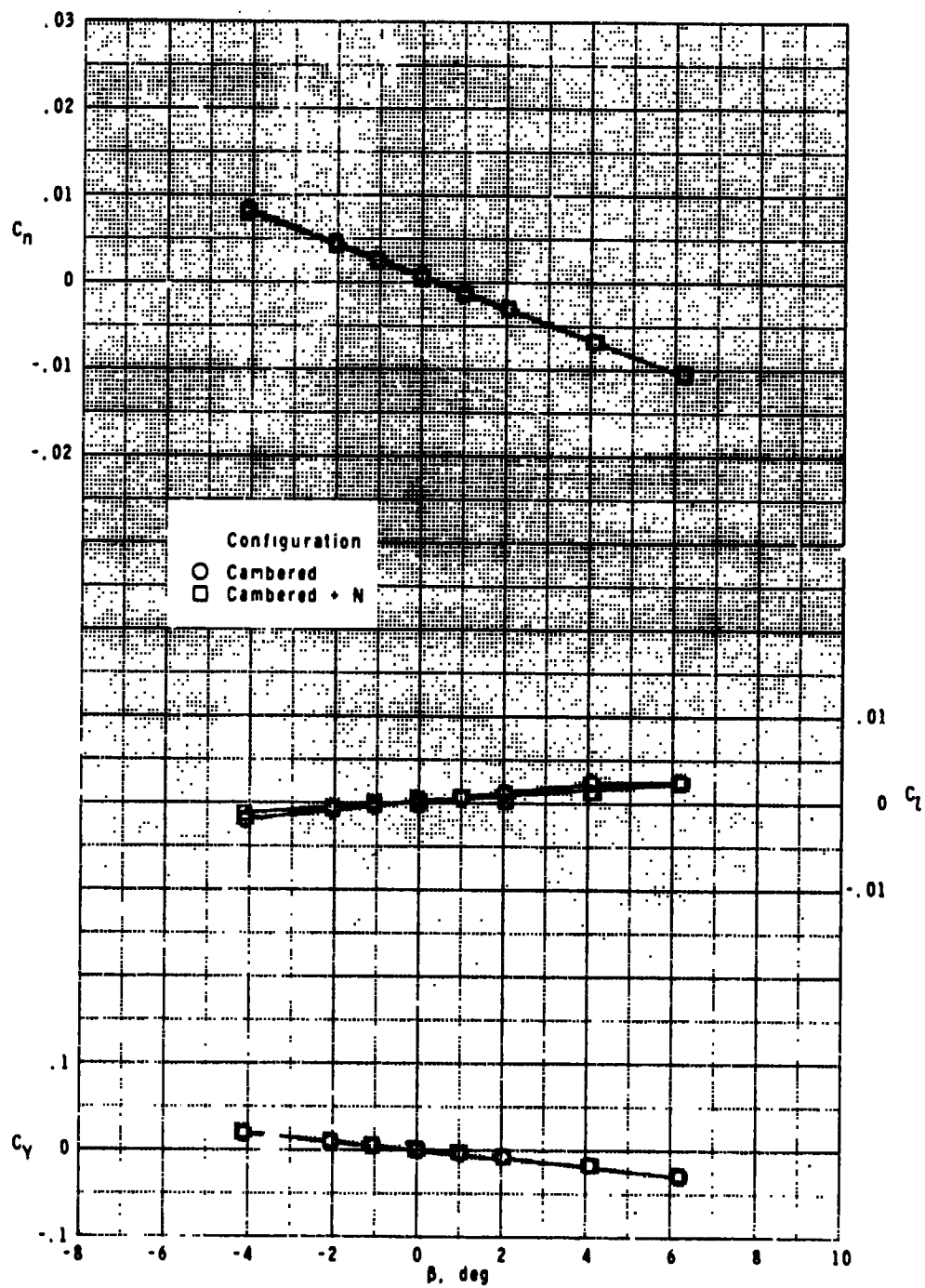


(c)  $M = 2.36$ .

Figure 11.- Continued.

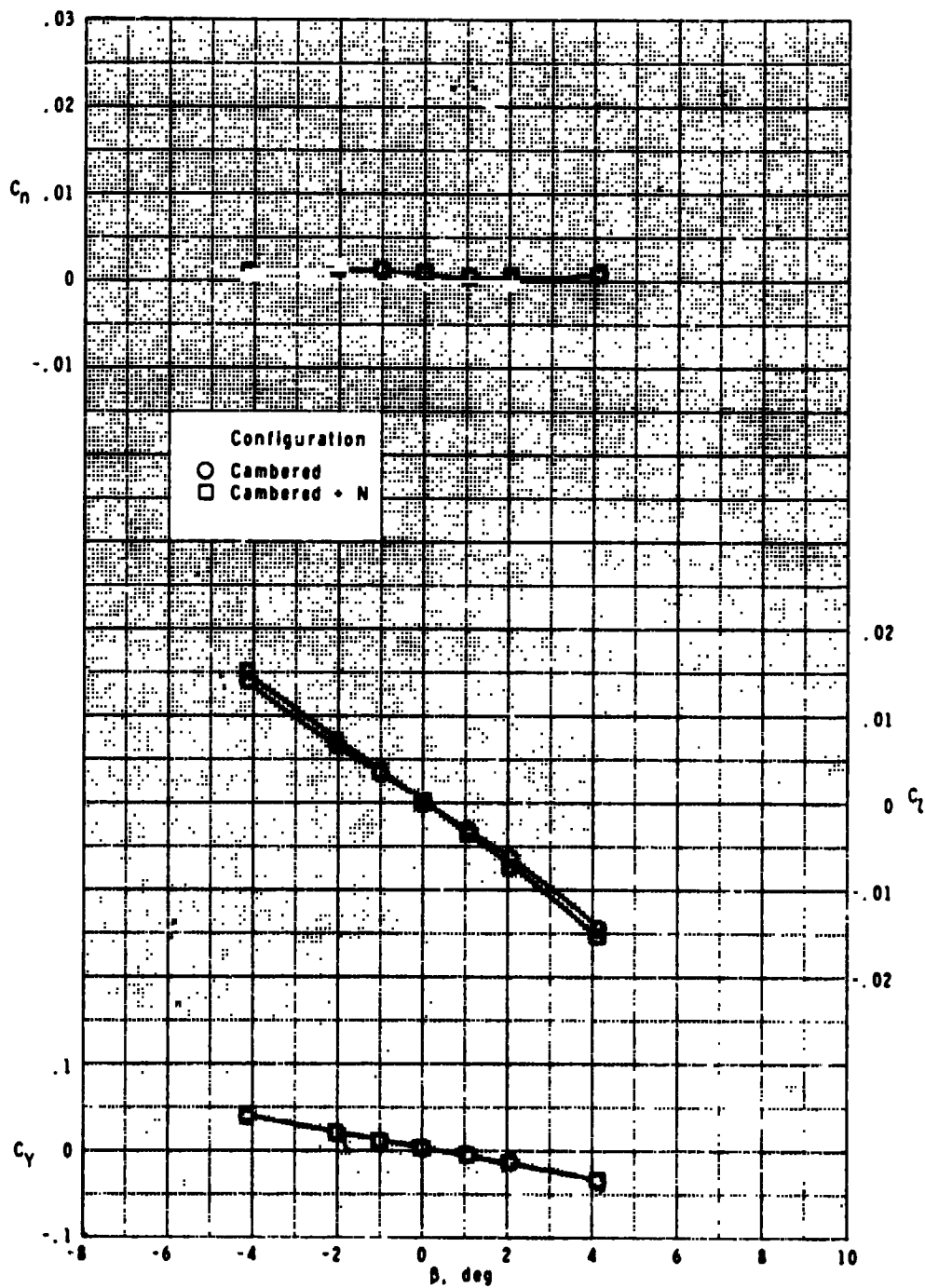


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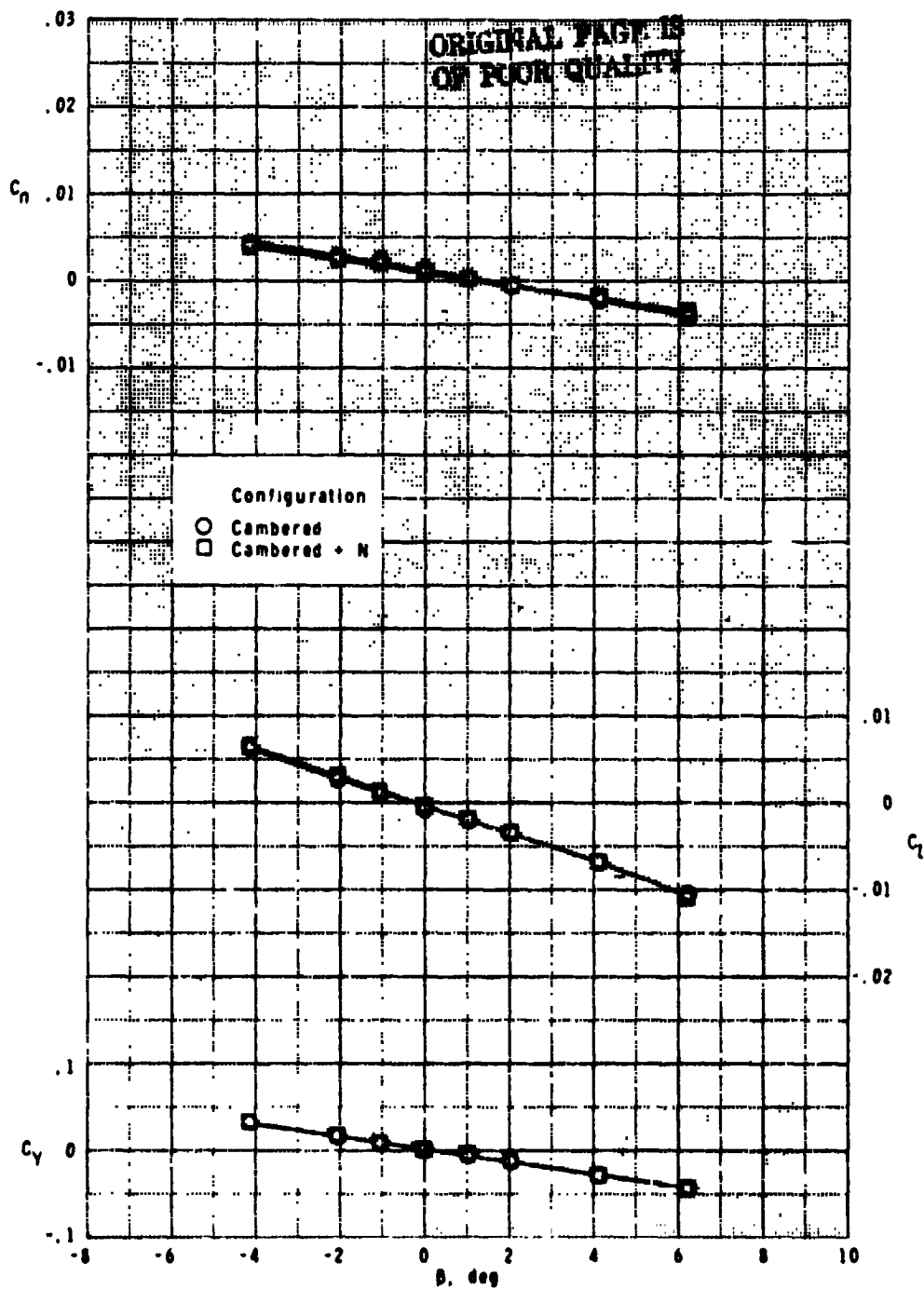
(d)  $M = 2.70$ .

Figure 11.- Concluded.



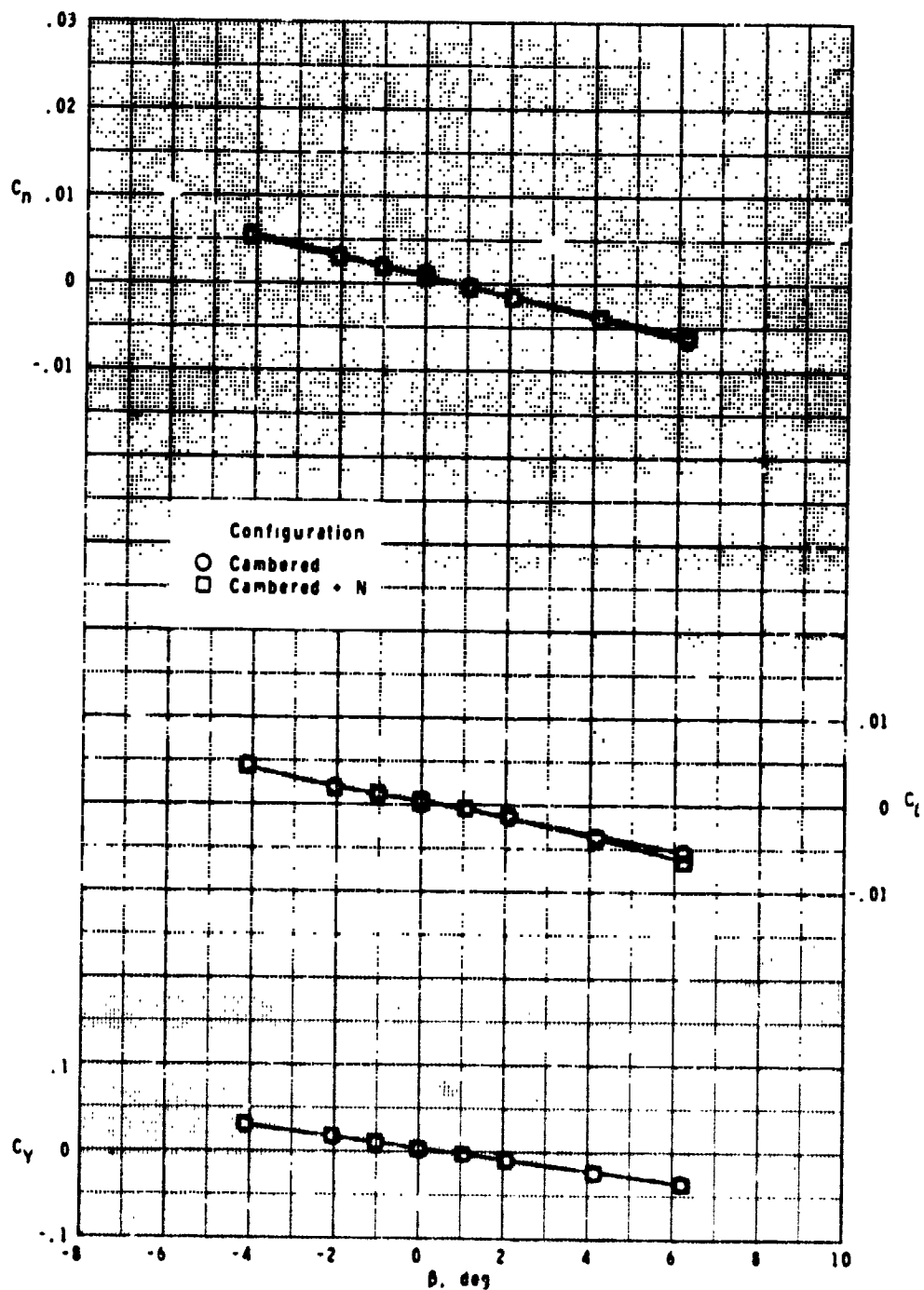
(a)  $M = 1.60$ .

Figure 12.- Supersonic lateral aerodynamic characteristics of cambered wing configurations at  $\alpha = 6.4^\circ$ .



(b)  $M = 2.00$ .

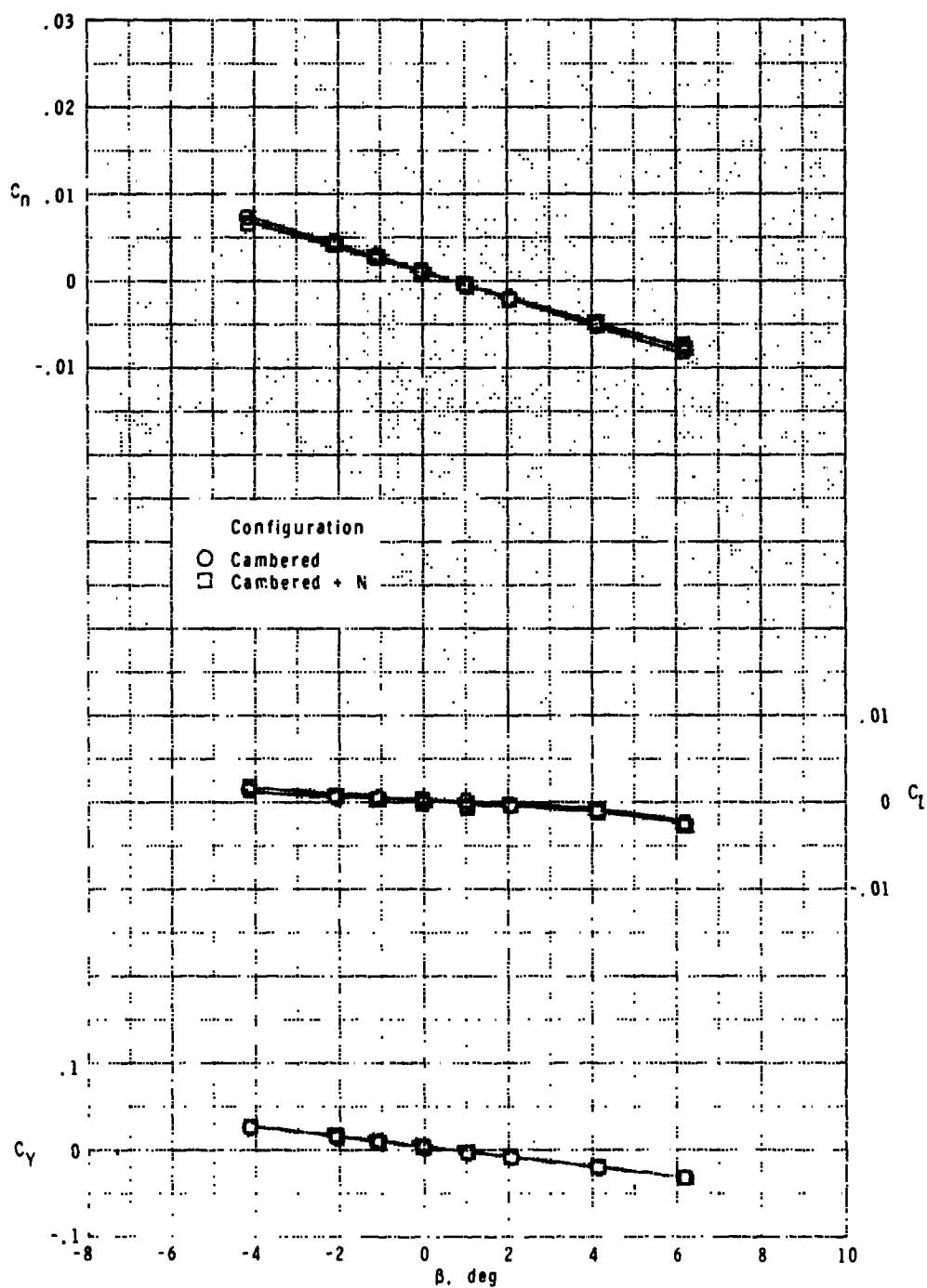
Figure 12.- Continued.



(c)  $M = 2.36$ .

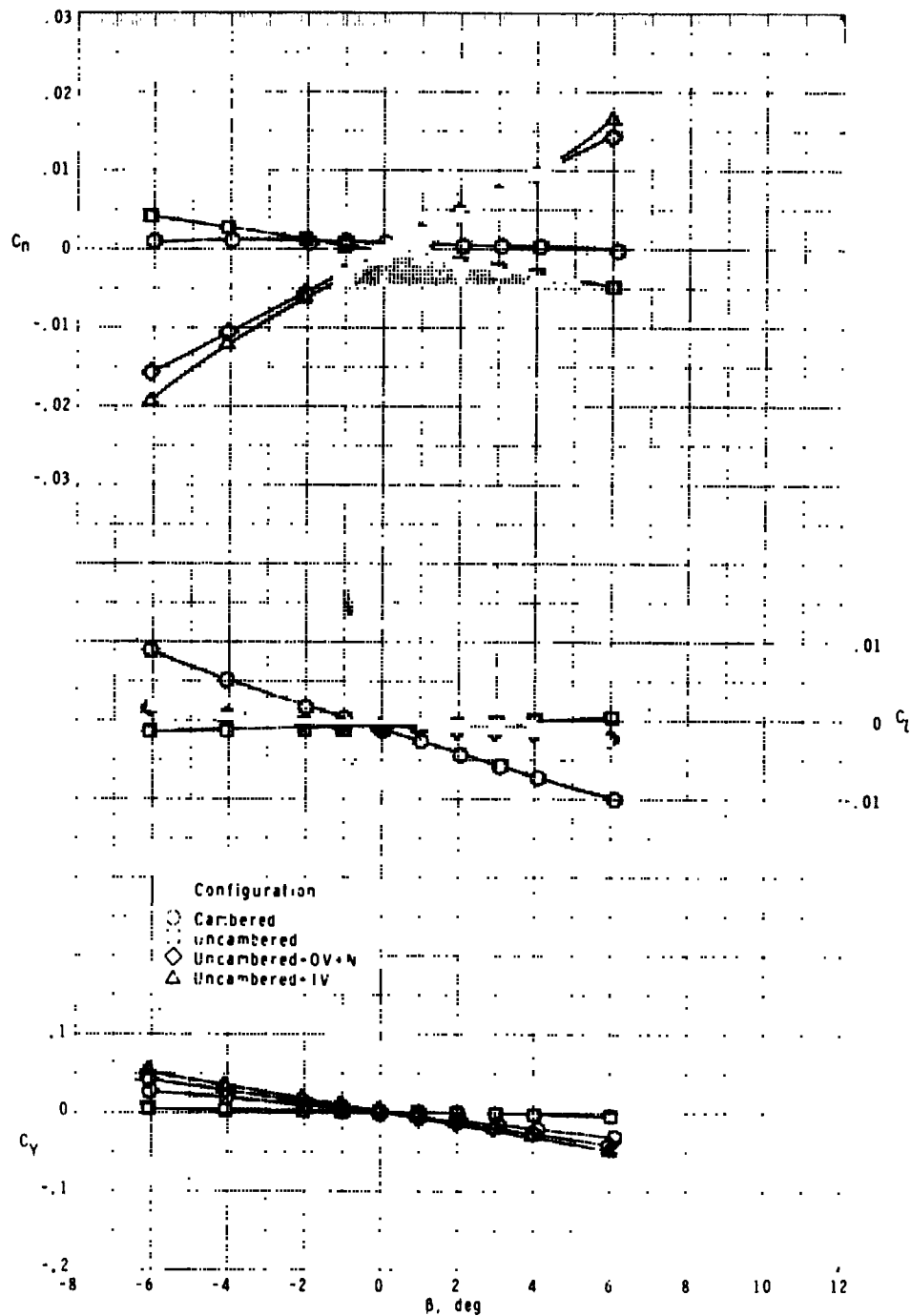
Figure 12.- Continued.

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(d)  $M = 2.70$ .

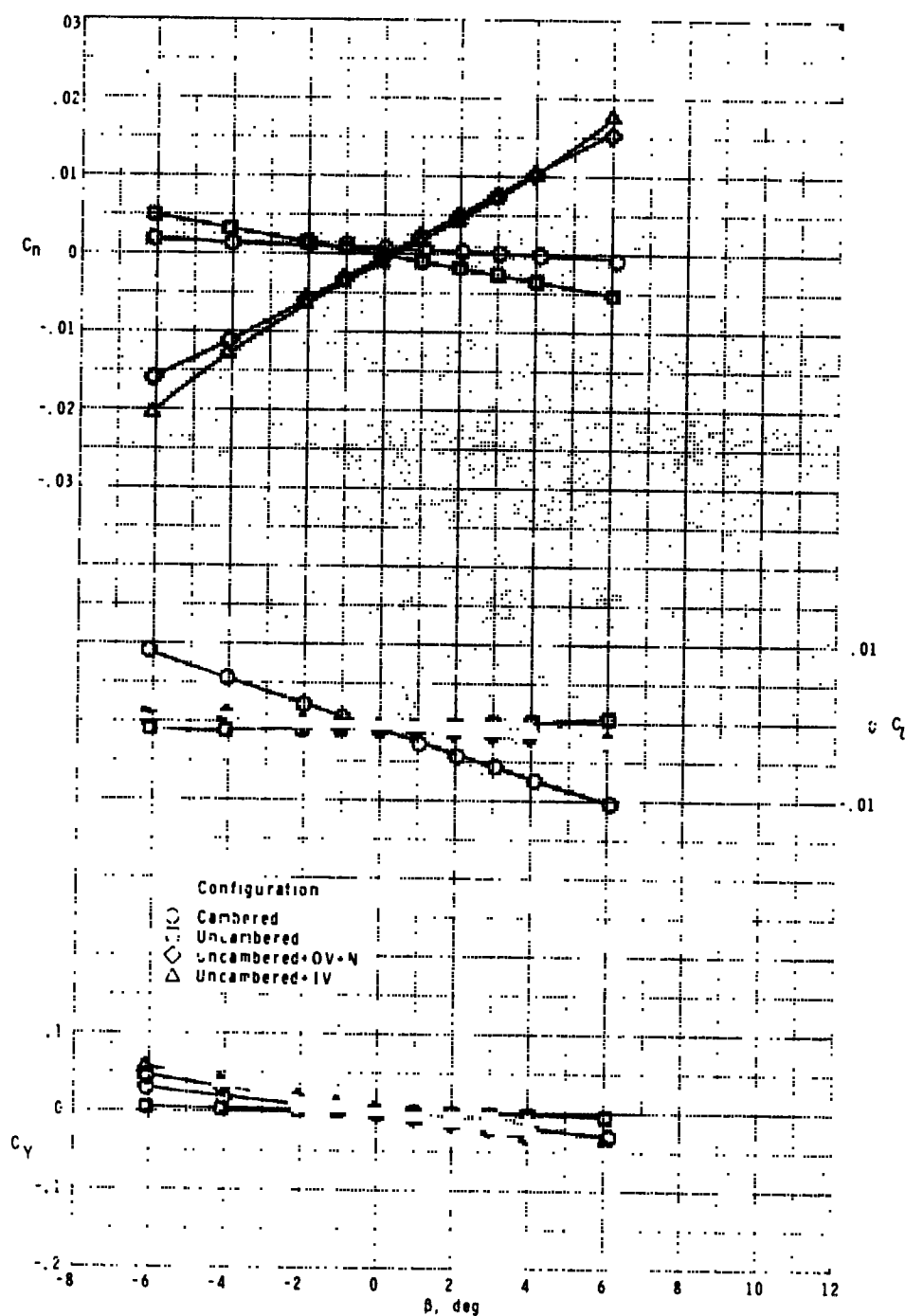
Figure 12.- Concluded.



(a)  $M = 0.60$ .

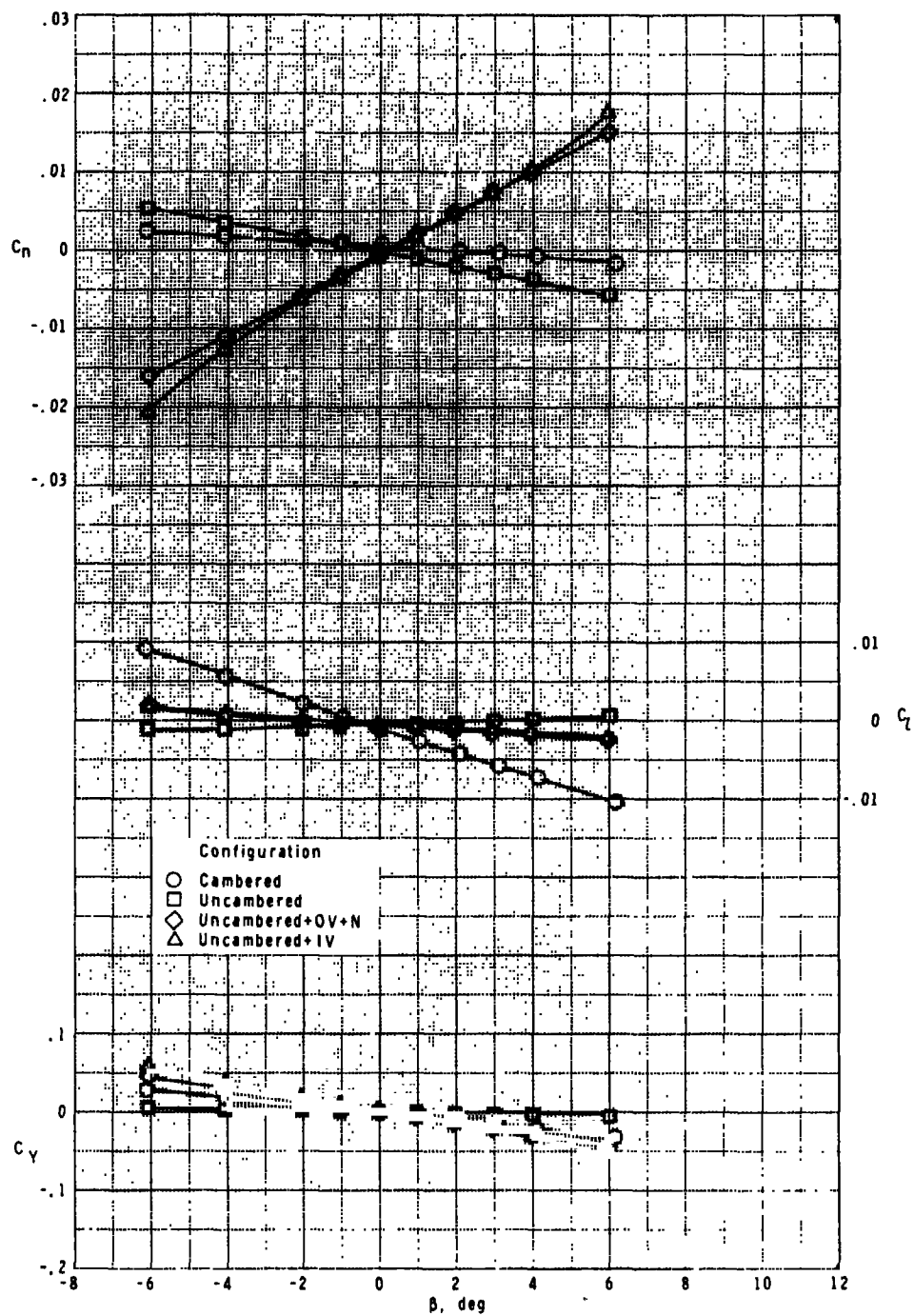
Figure 13.- Subsonic and transonic lateral aerodynamic characteristics of cambered and uncambered wing configurations at  $\alpha = 0.0^\circ$ .

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(b)  $M = 0.90$ .

Figure 13.- Continued.

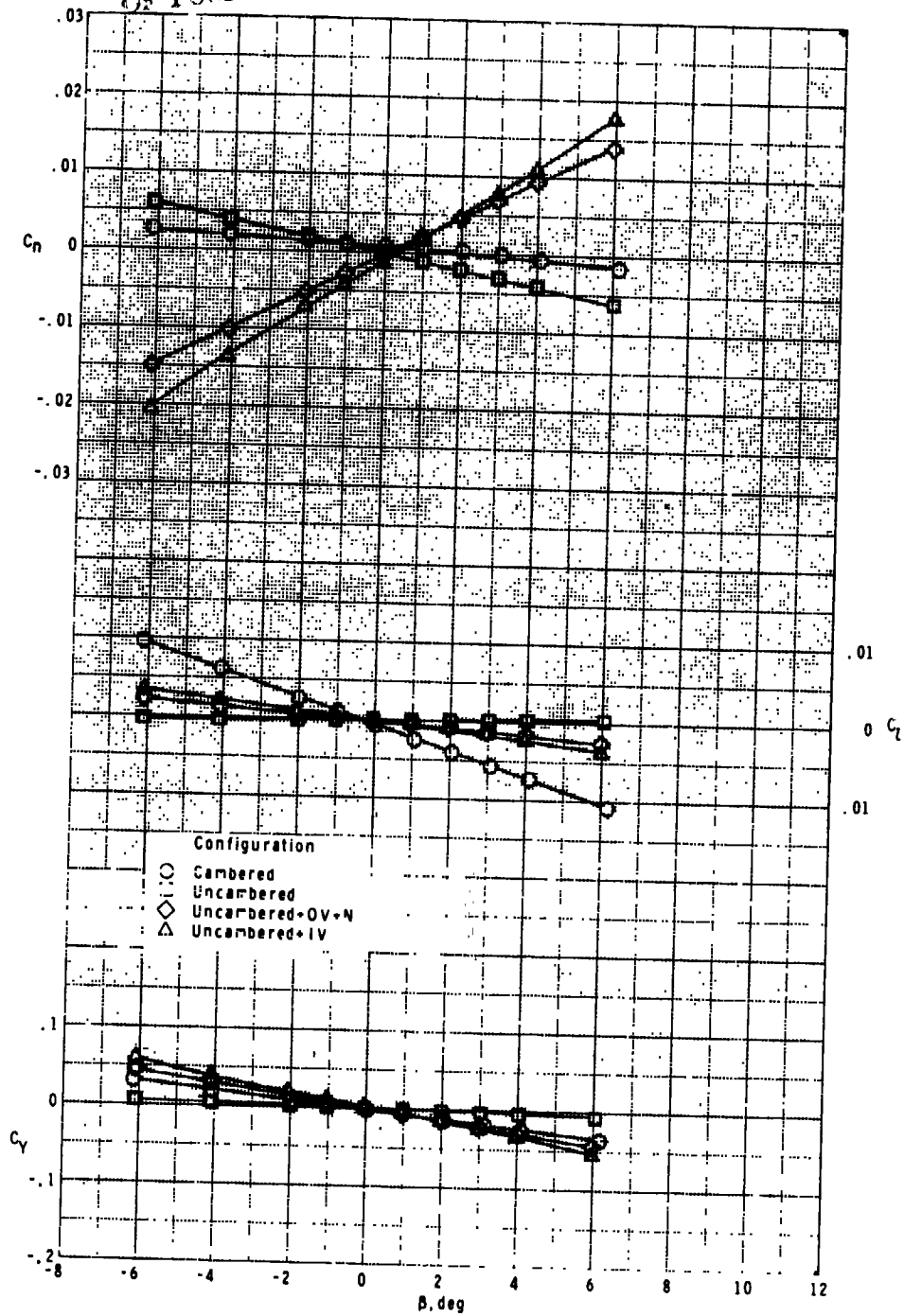


(c)  $M = 0.95$ .

Figure 13.- Continued.

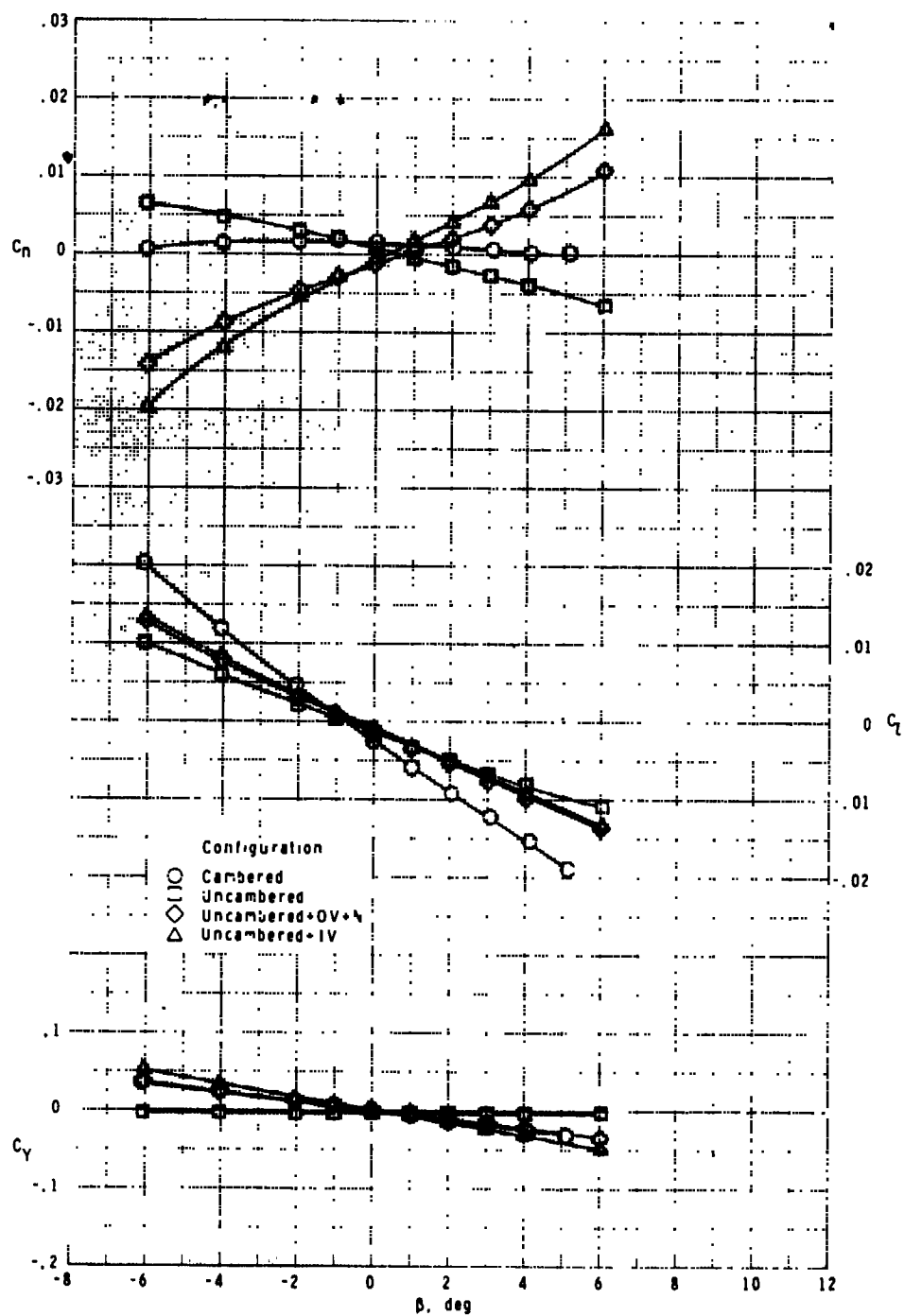


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(d)  $M = 1.20$ .

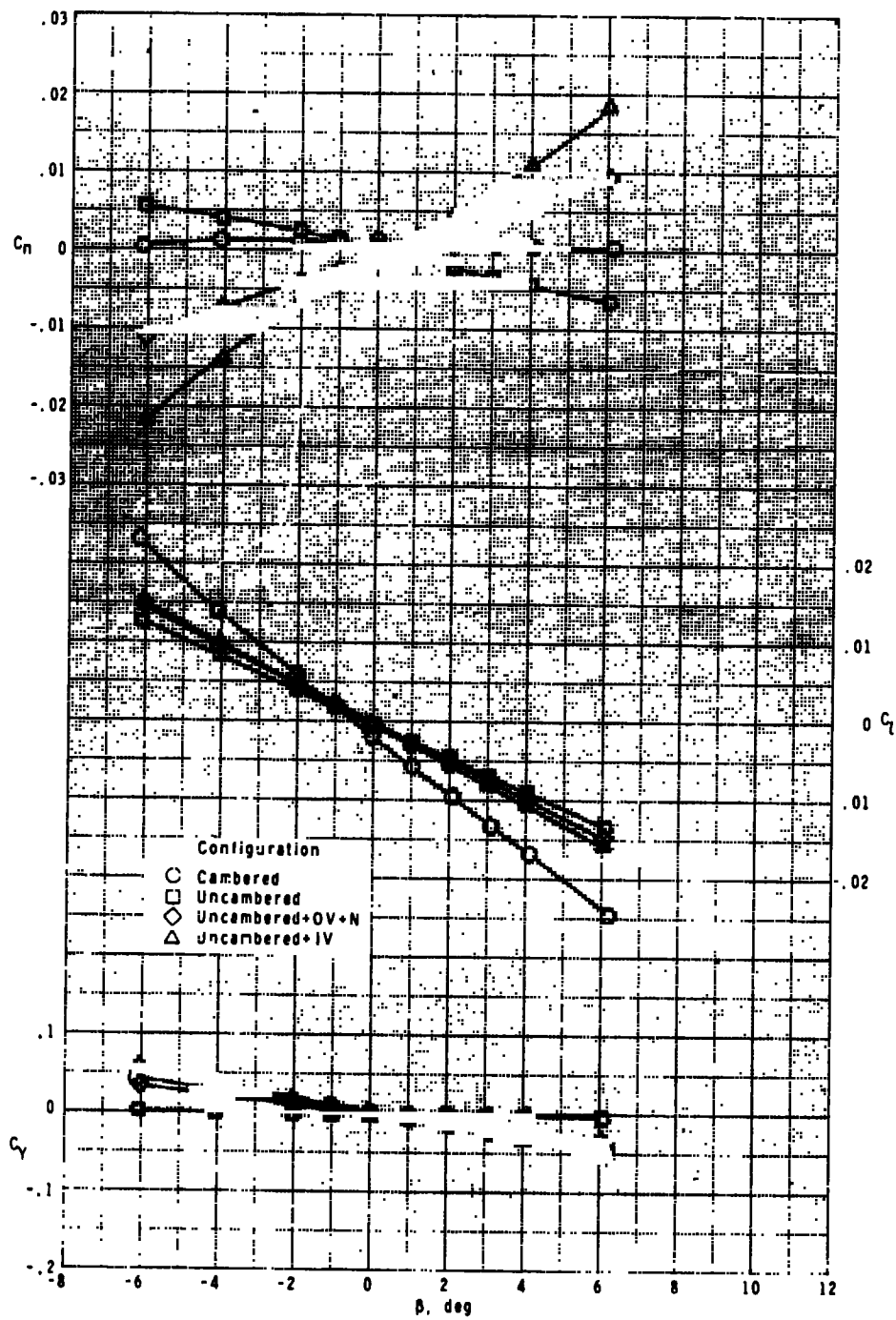
Figure 13.- Concluded.



(a)  $M = 0.60$ .

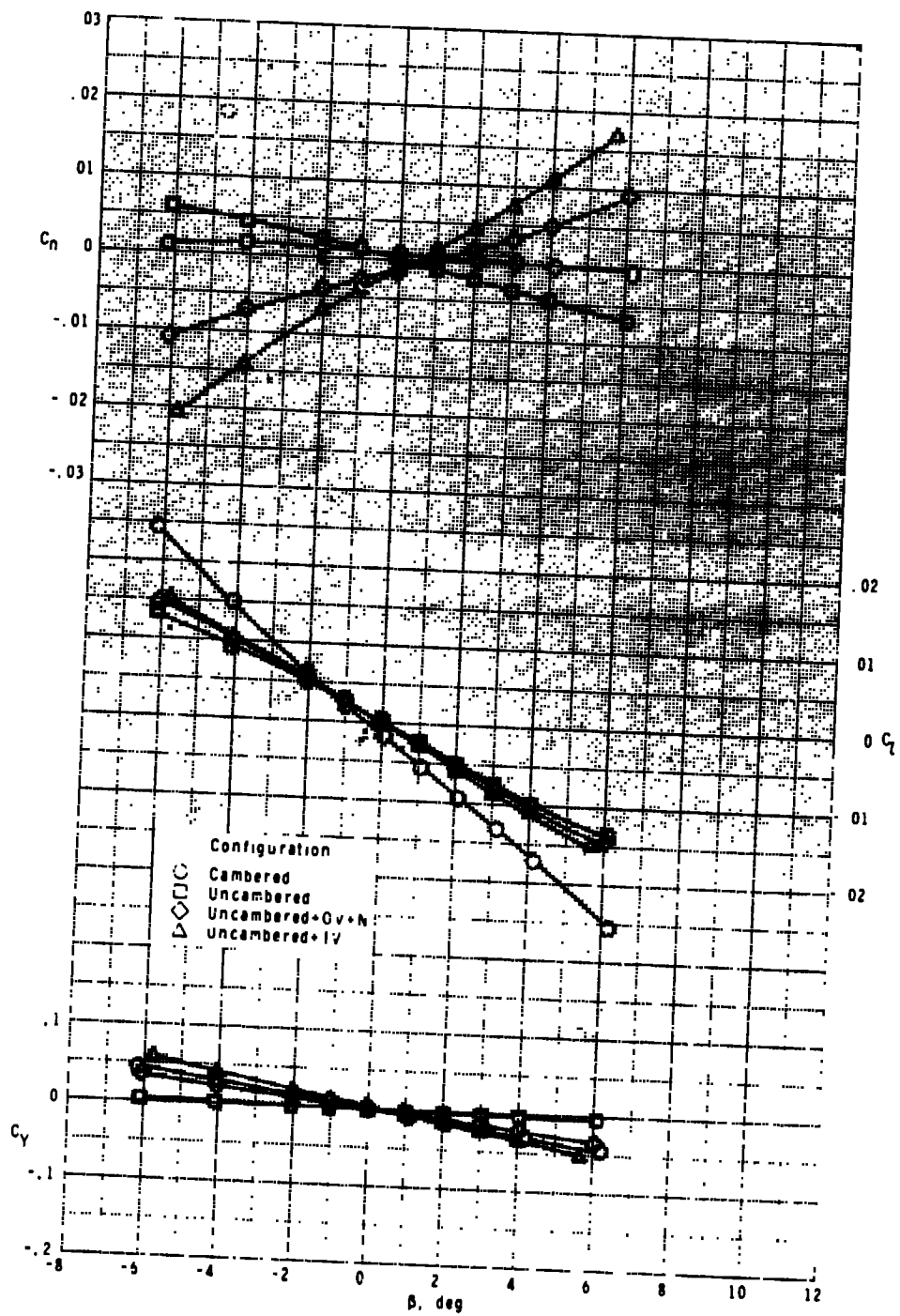
Figure 14.- Subsonic and transonic lateral aerodynamic characteristics of cambered and uncambered wing configurations at  $\alpha \sim 6.1^\circ$ .

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(b)  $M = 0.90$ .

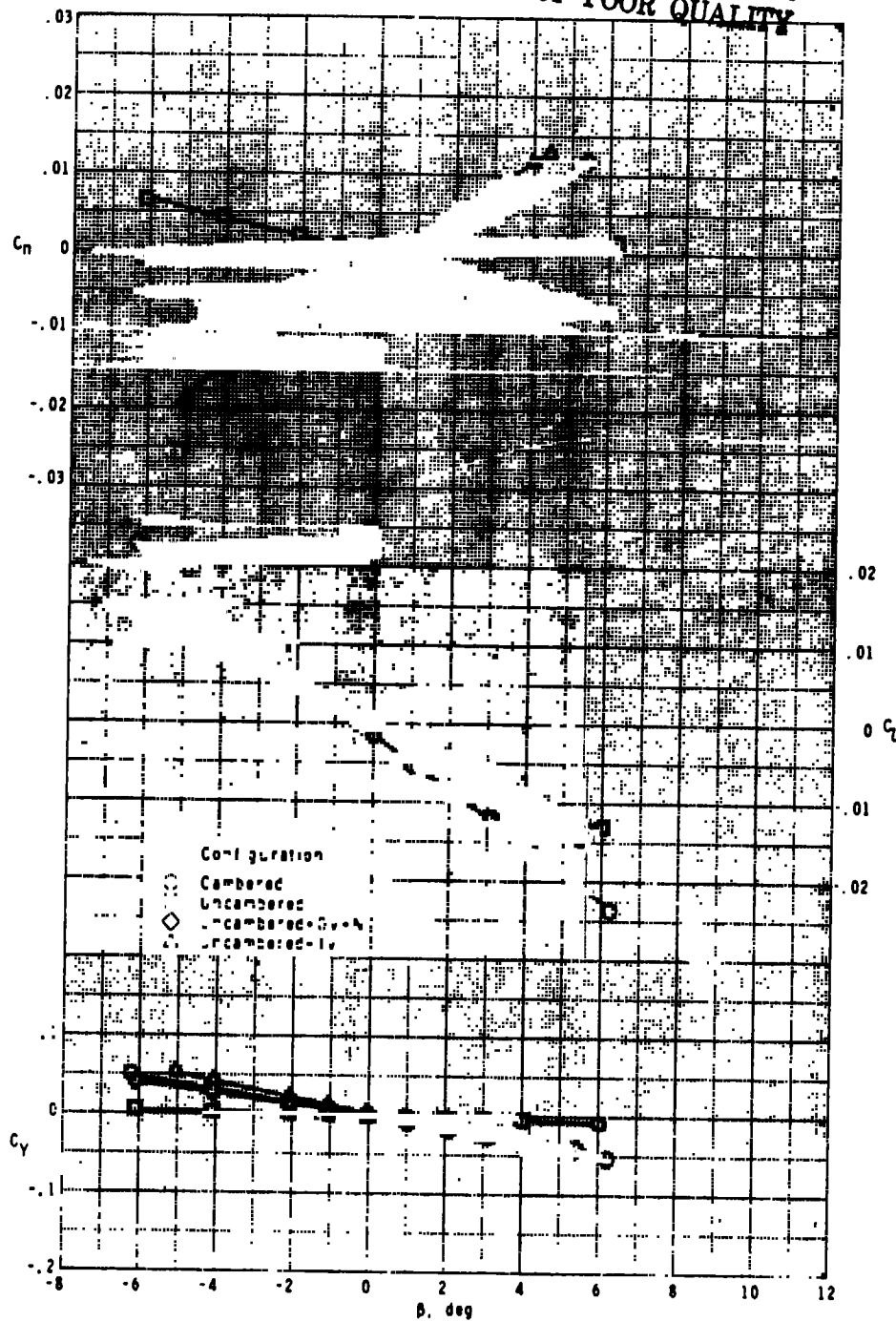
Figure 14.- Continued.



(c)  $M = 0.95$ .

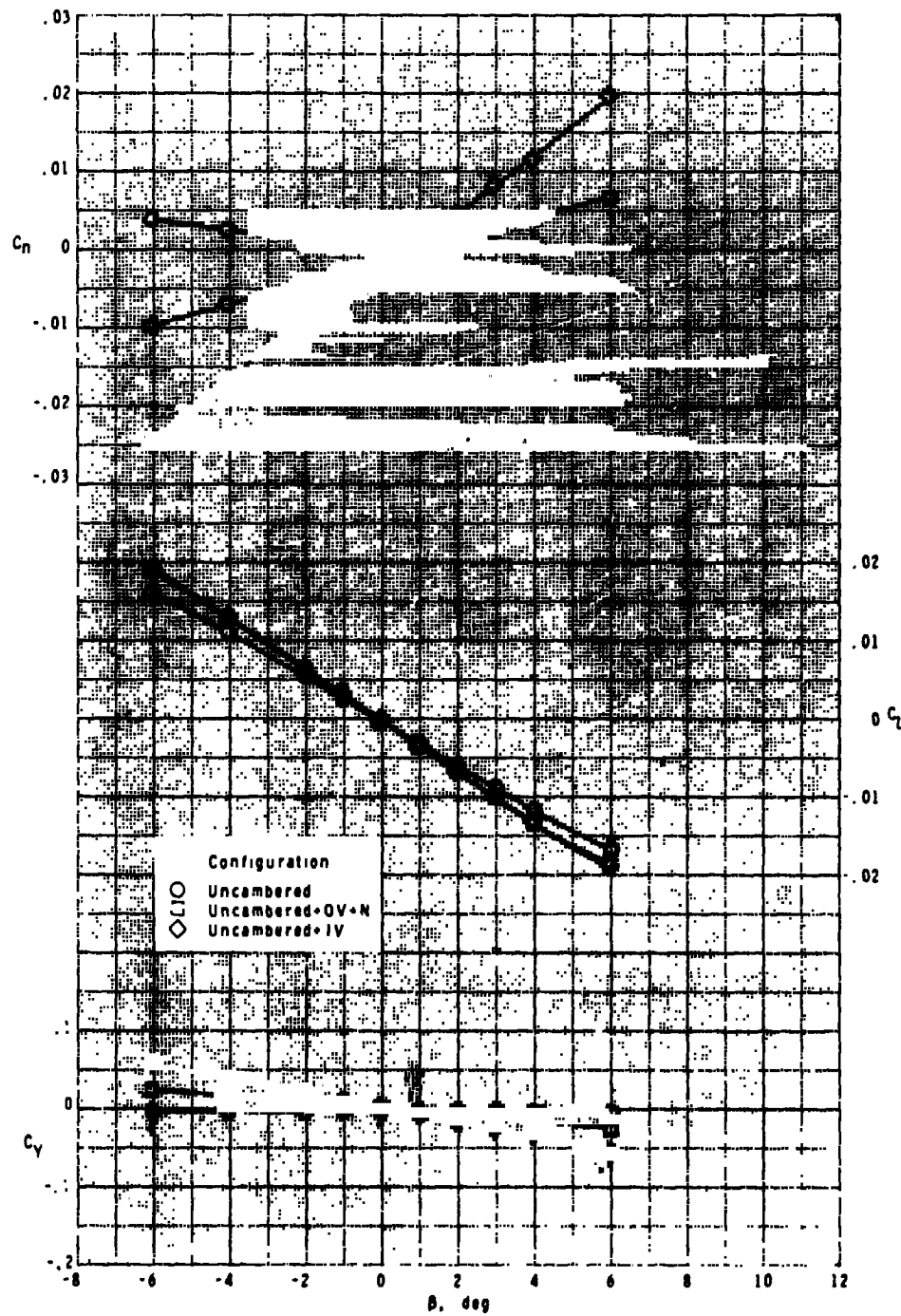
Figure 14.- Continued.

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(d)  $M = 1.20$ .

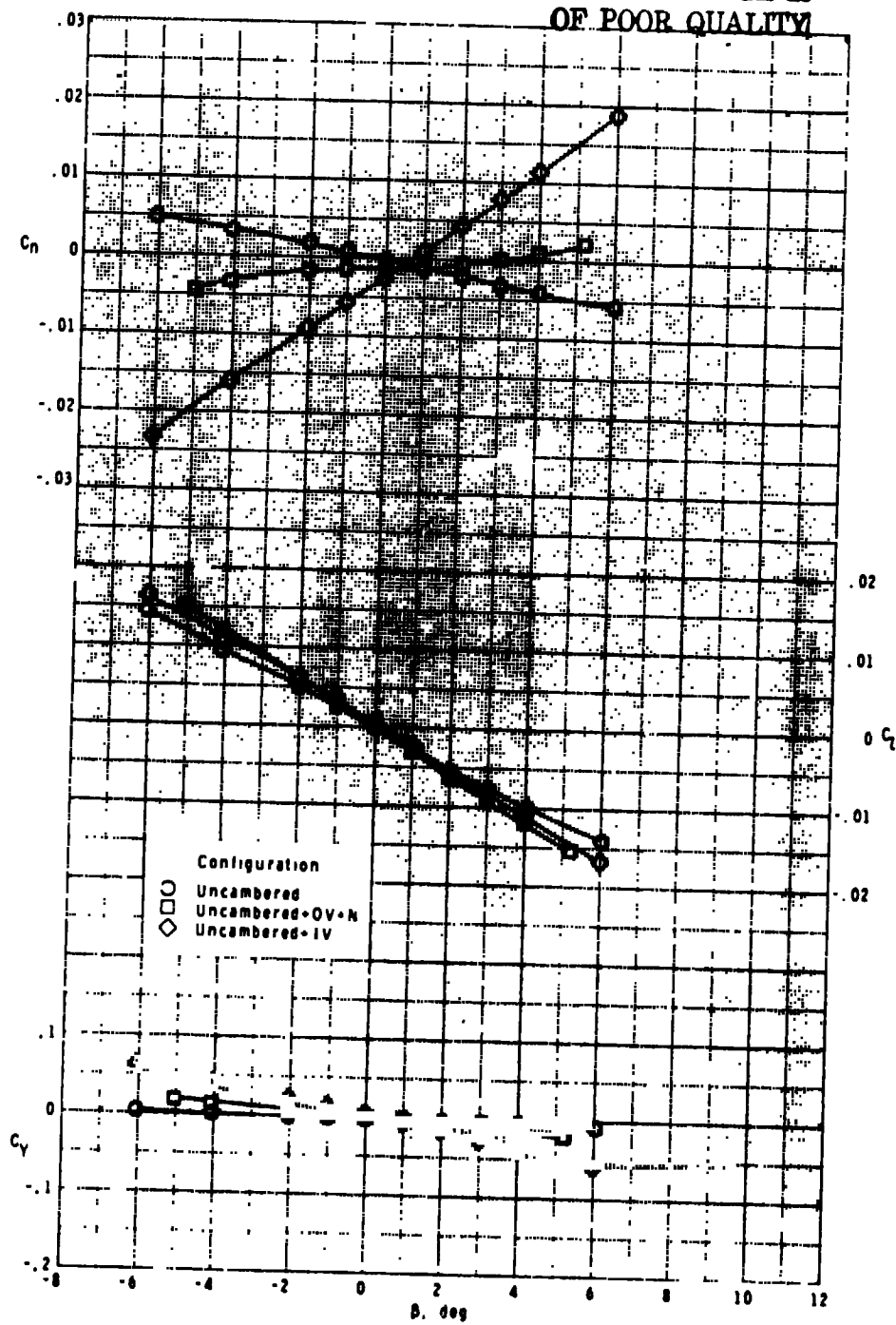
Figure 14.- Concluded.



(a)  $M = 0.60$ .

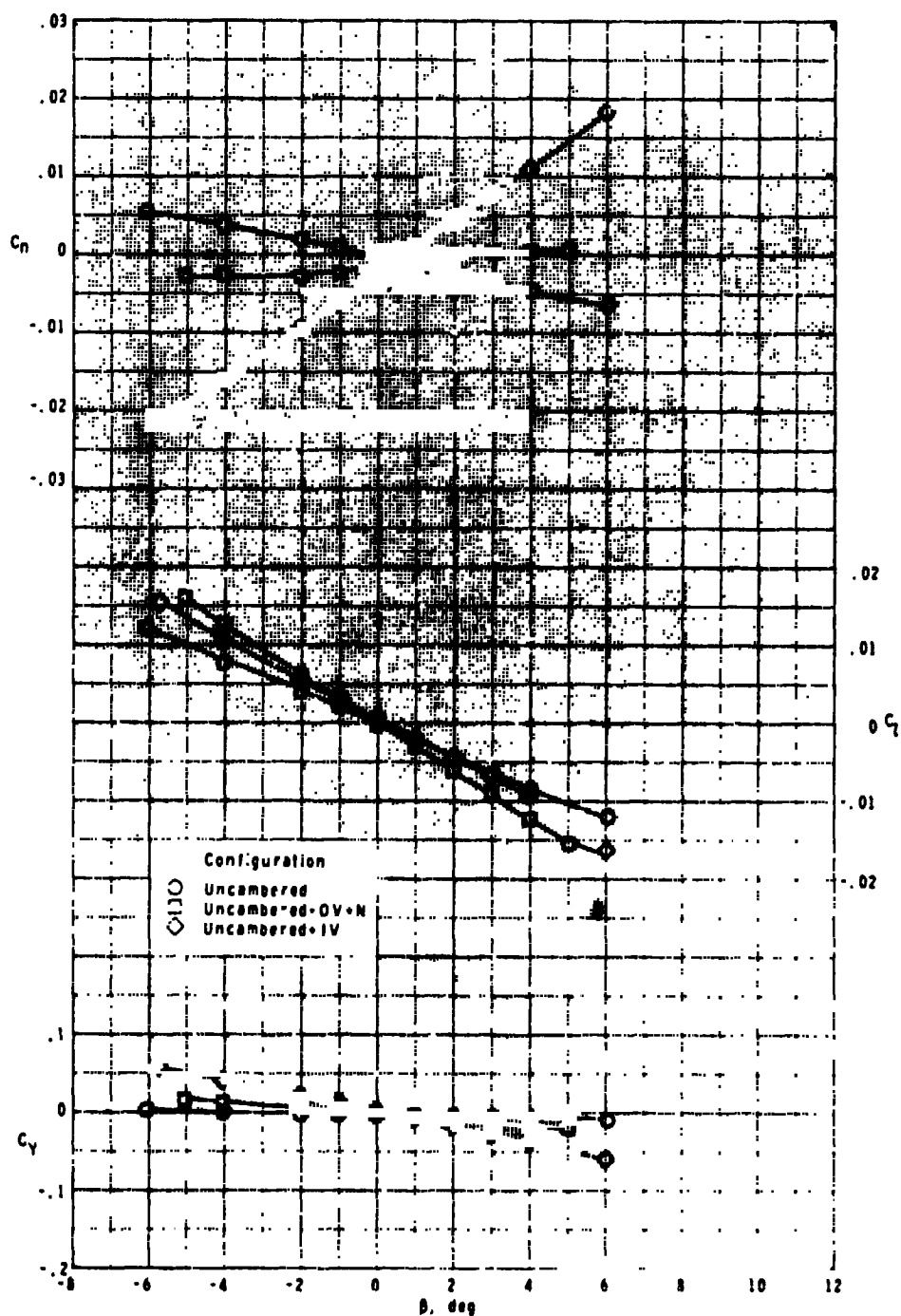
Figure 15.- Subsonic and transonic lateral aerodynamic characteristics of uncambered wing configurations at  $\alpha \sim 9.2^\circ$ .

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(b)  $M = 0.90$ .

Figure 15.- Continued.

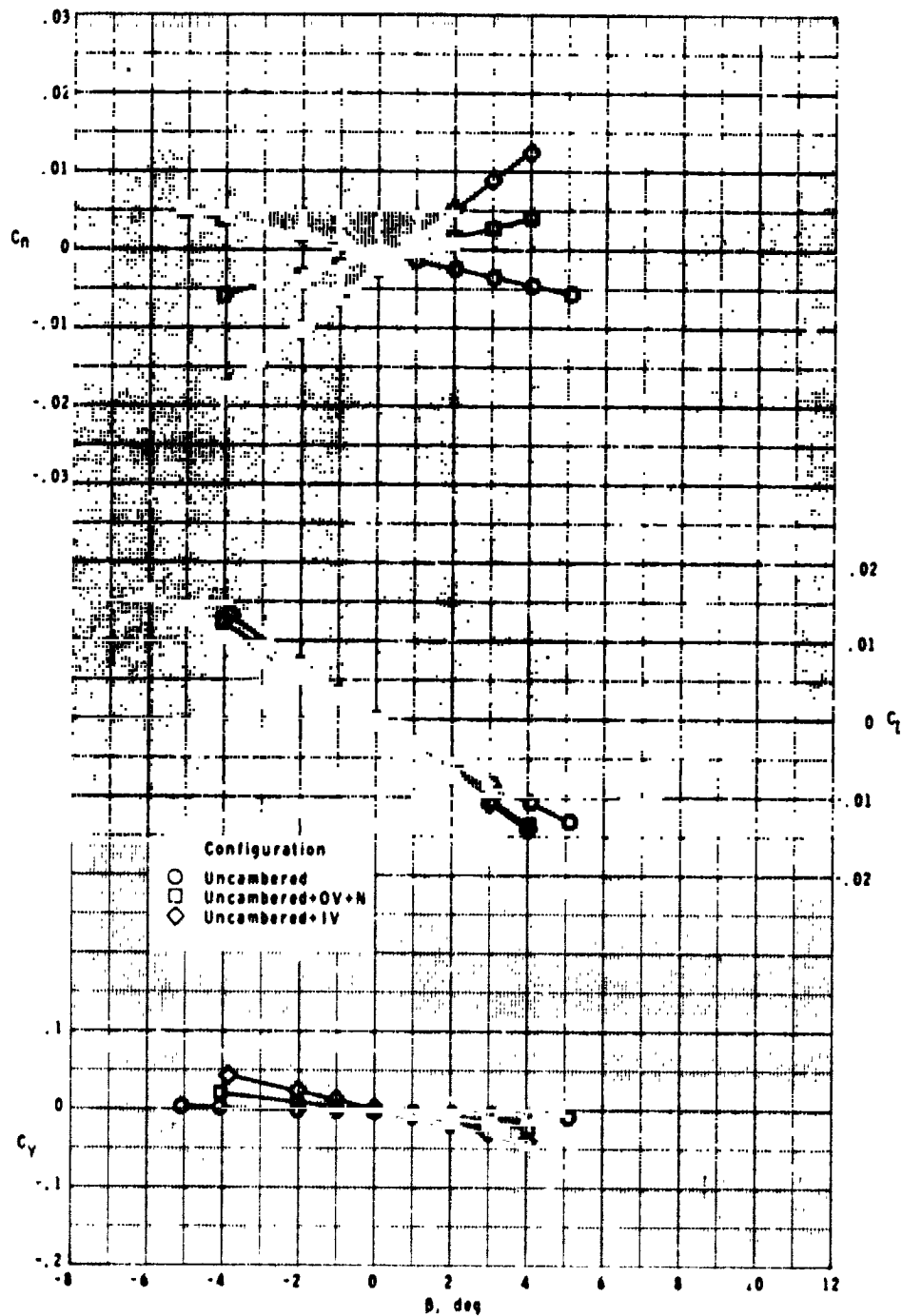


(c)  $M = 0.95$ .

Figure 15.- Continued.

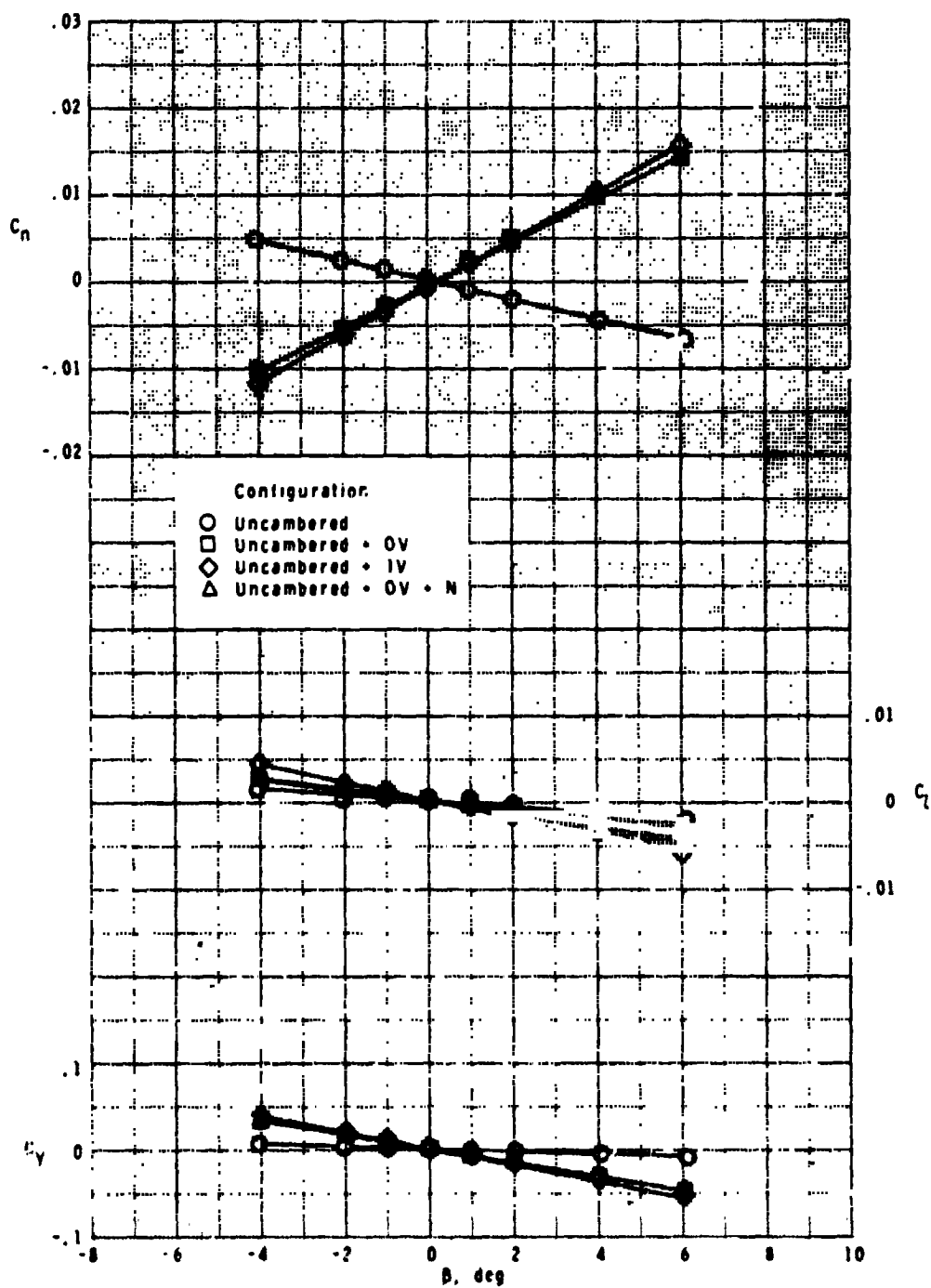


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(d)  $M = 1.20$ .

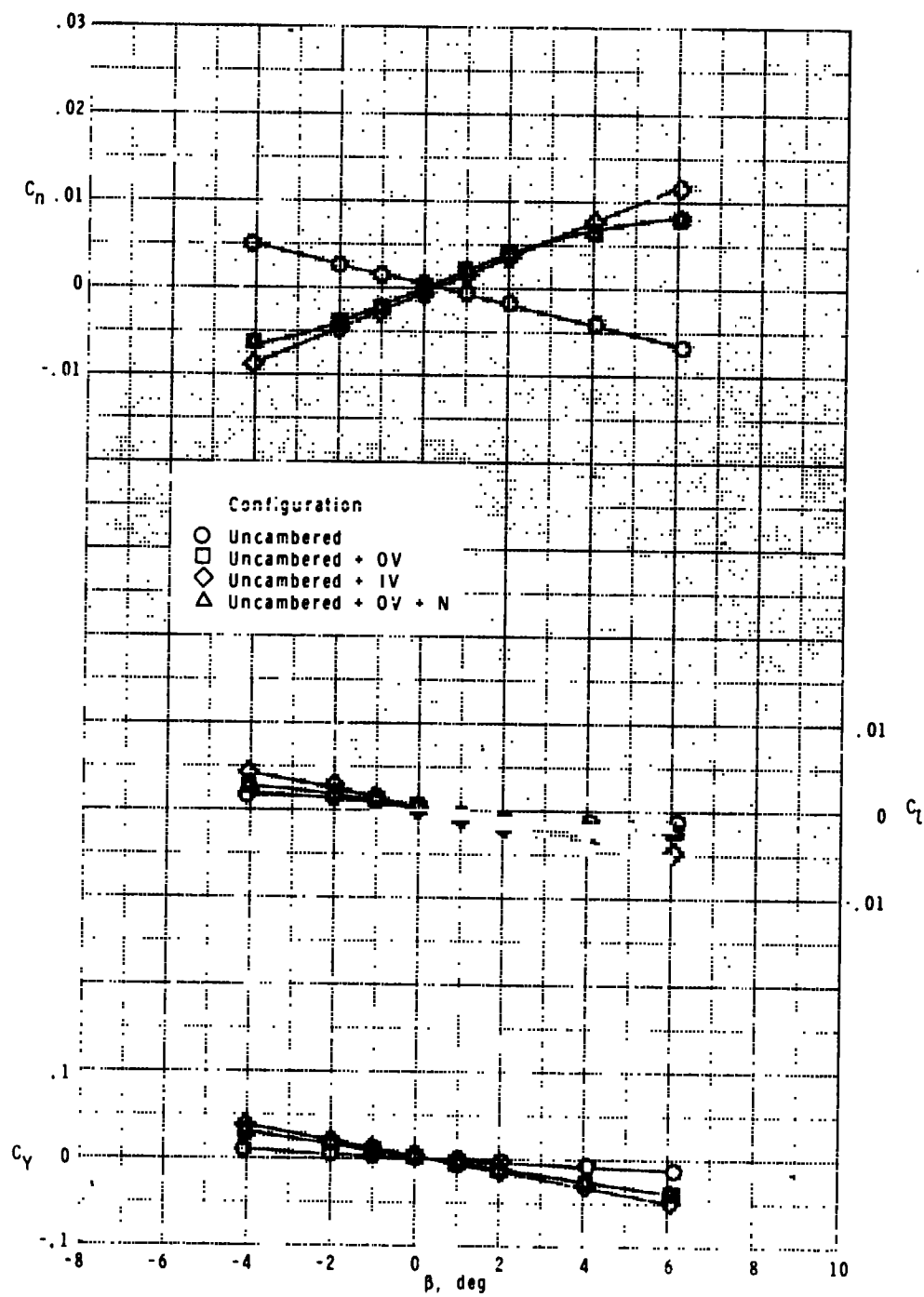
Figure 15.- Concluded.



(a)  $M = 1.60$ .

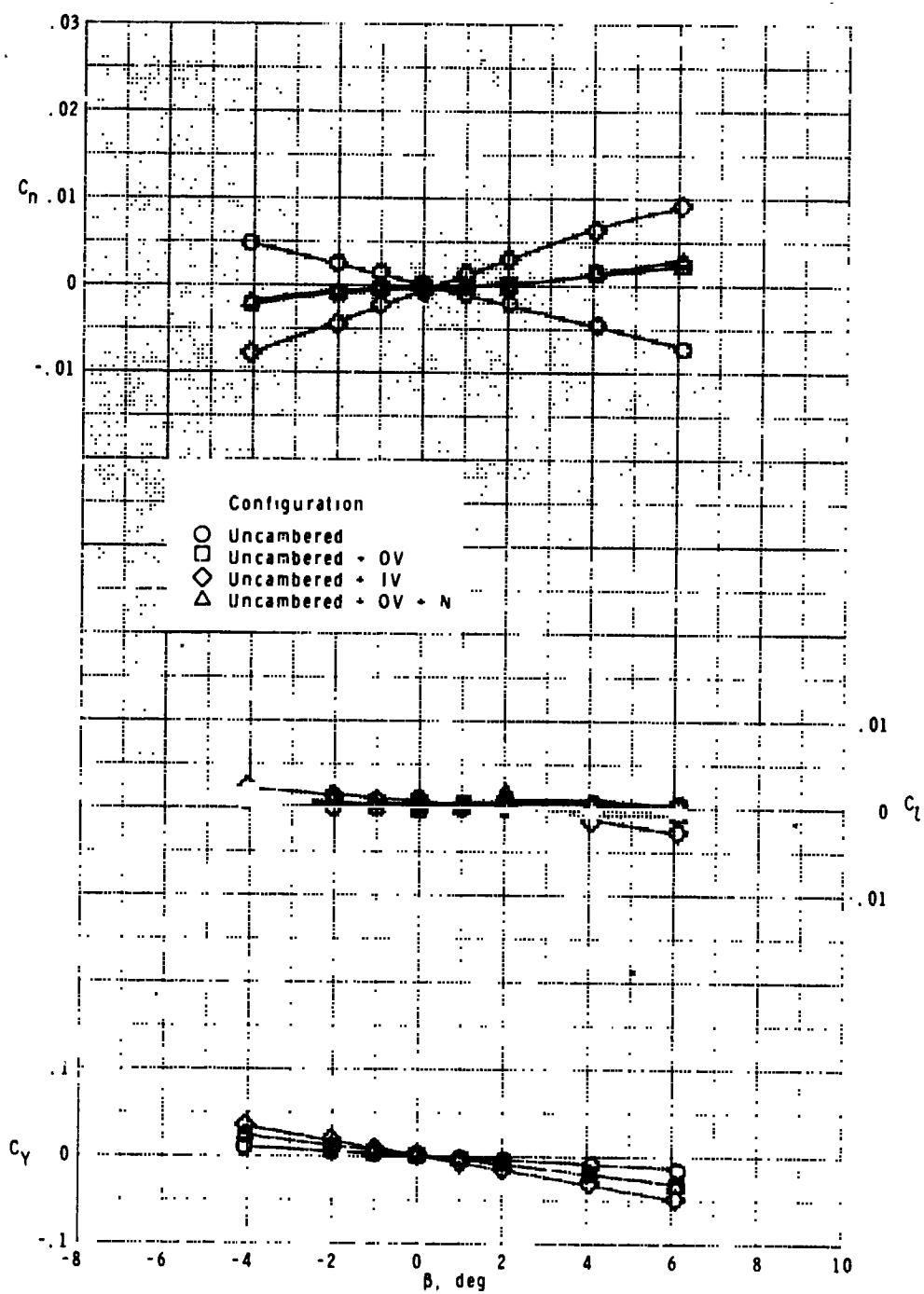
Figure 16.- Supersonic lateral aerodynamic characteristics of uncambered wing configurations at  $\alpha \sim 0.0^\circ$ .

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(b)  $M = 2.00$ .

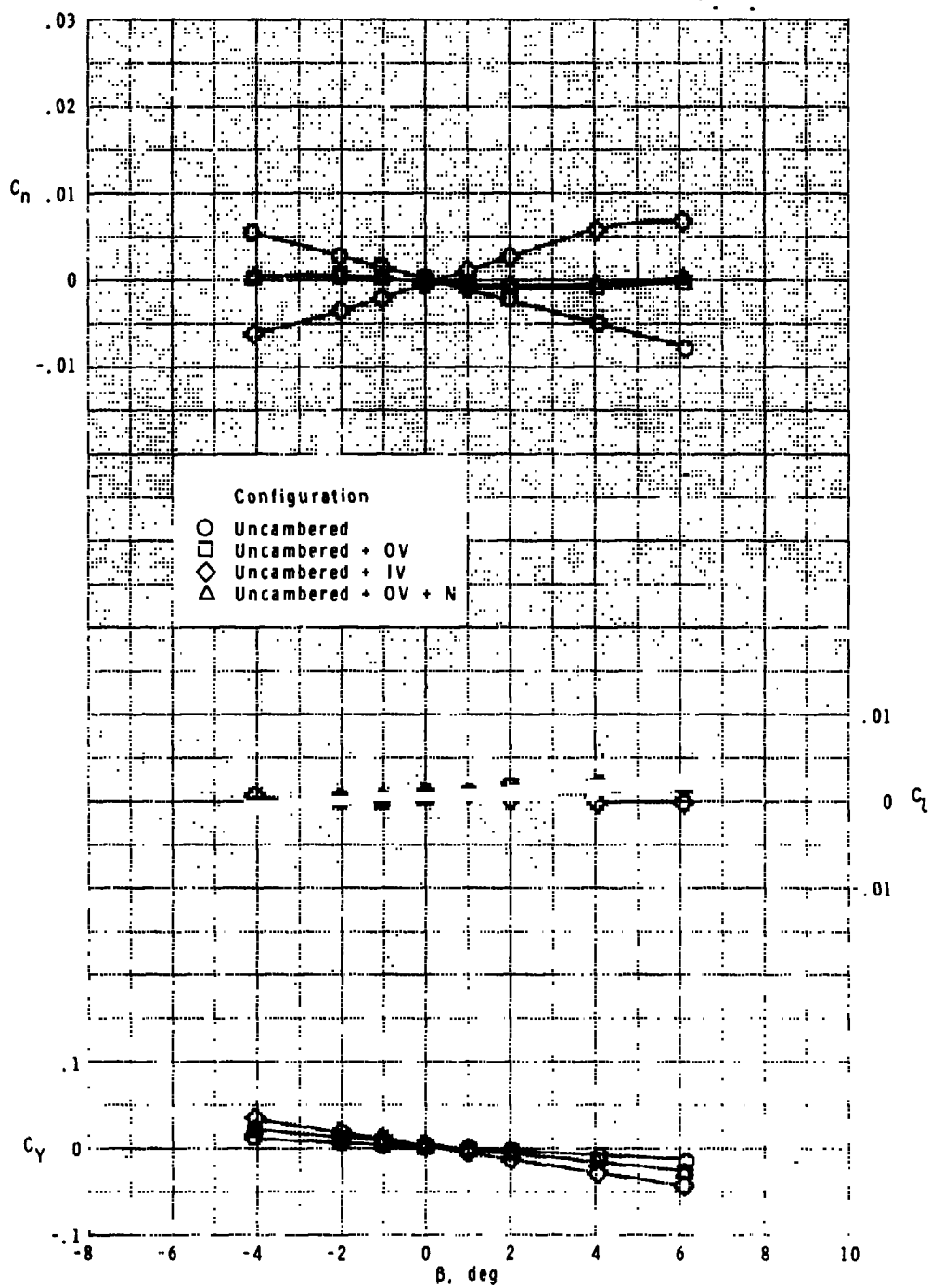
Figure 16.- Continued.



(c)  $M = 2.36$ .

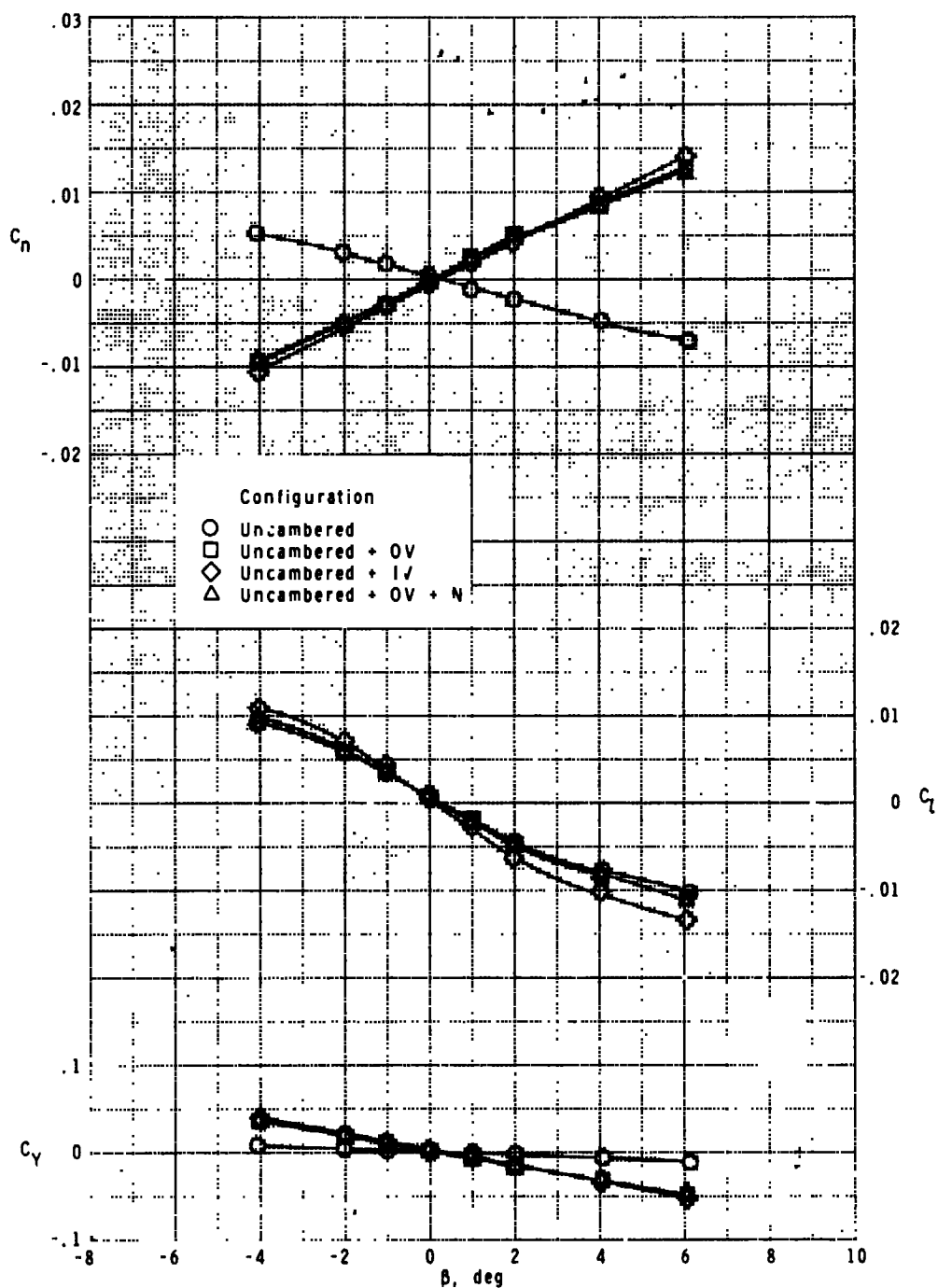
Figure 16.- Continued.

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(d)  $M = 2.70$ .

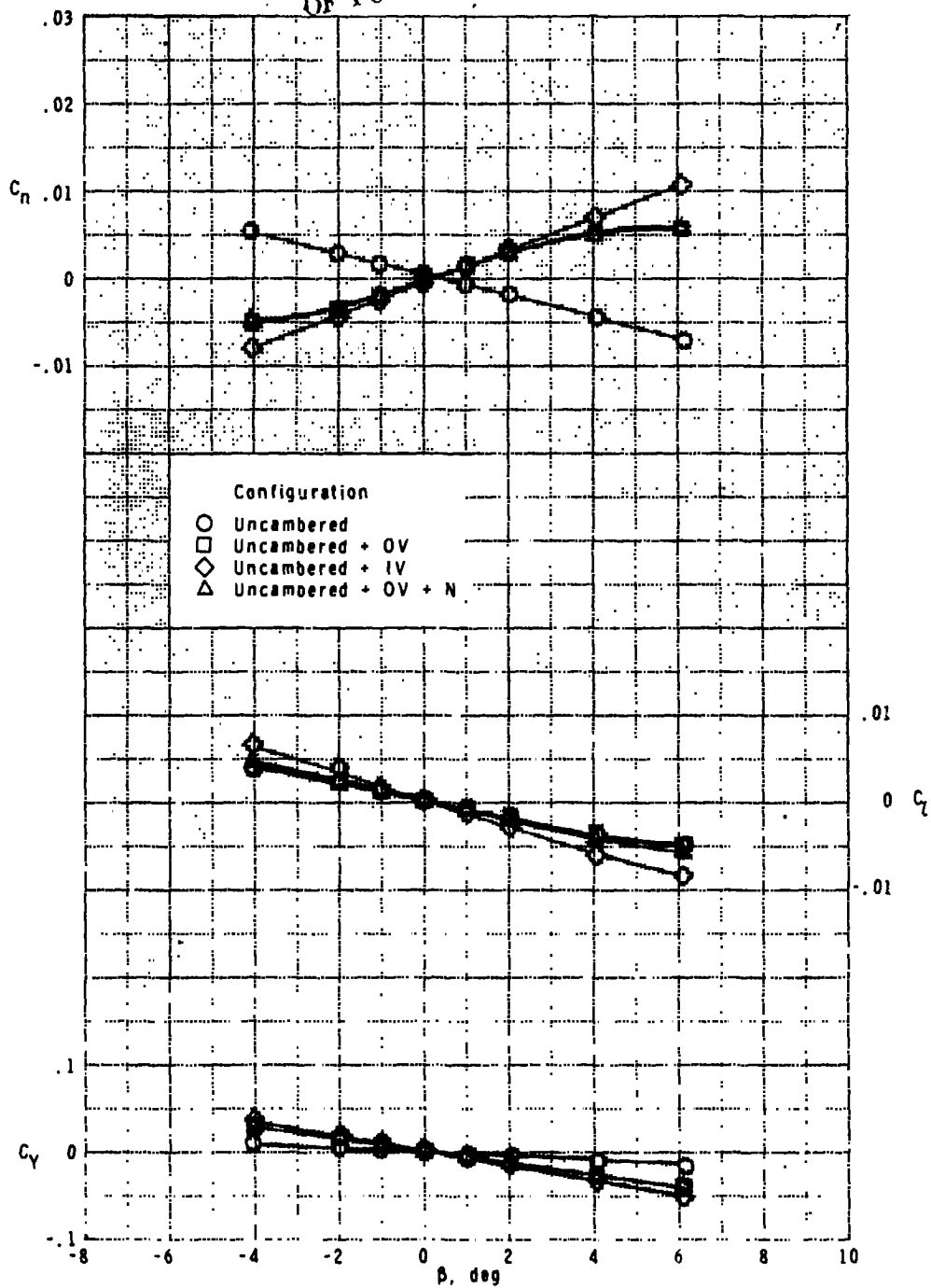
Figure 16.- Concluded.



(a)  $M = 1.60$ .

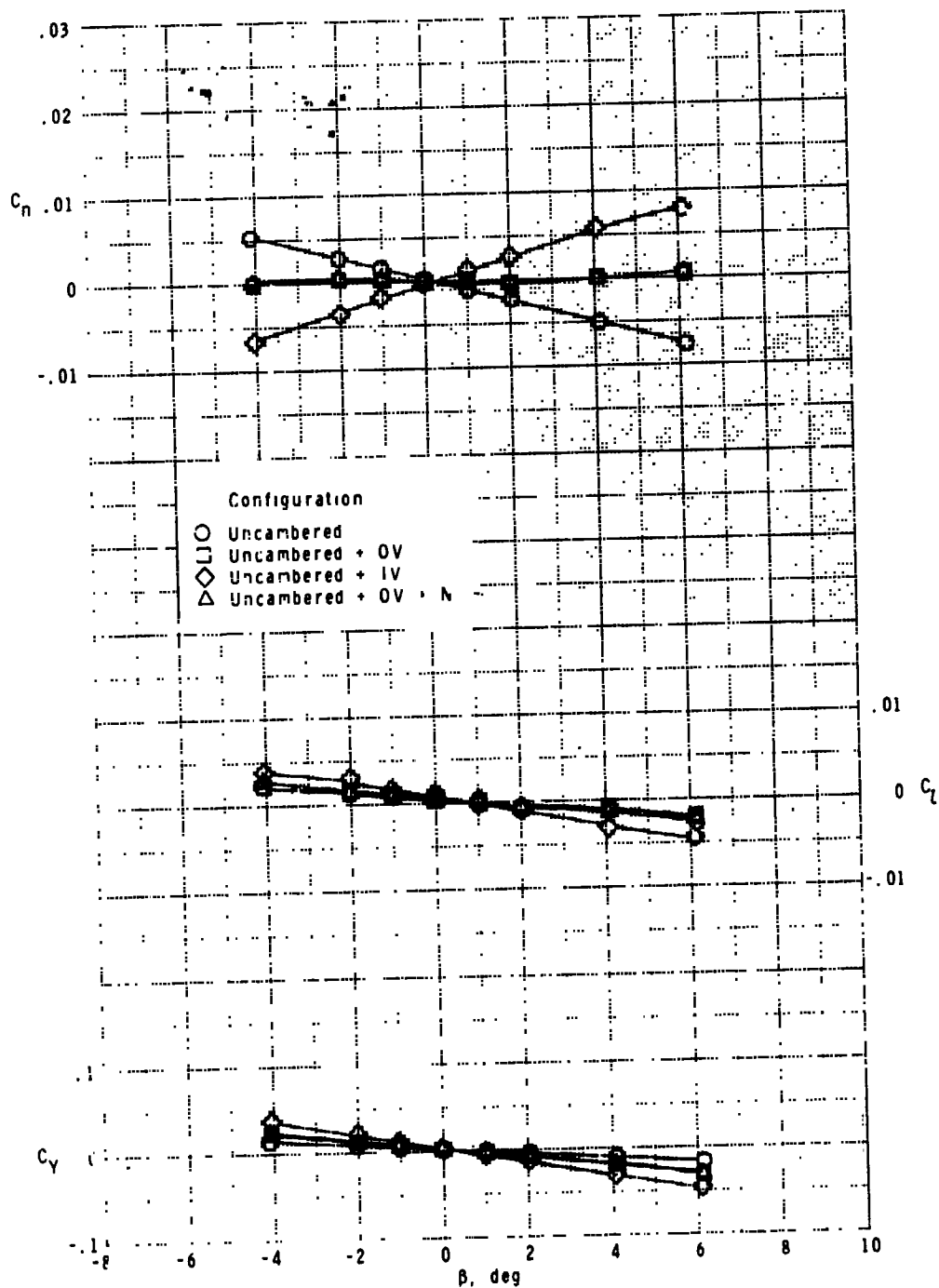
Figure 17.- Supersonic lateral aerodynamic characteristics of uncambered wing configurations at  $\alpha \sim 4.6^\circ$ .

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(b)  $M = 2.00$ .

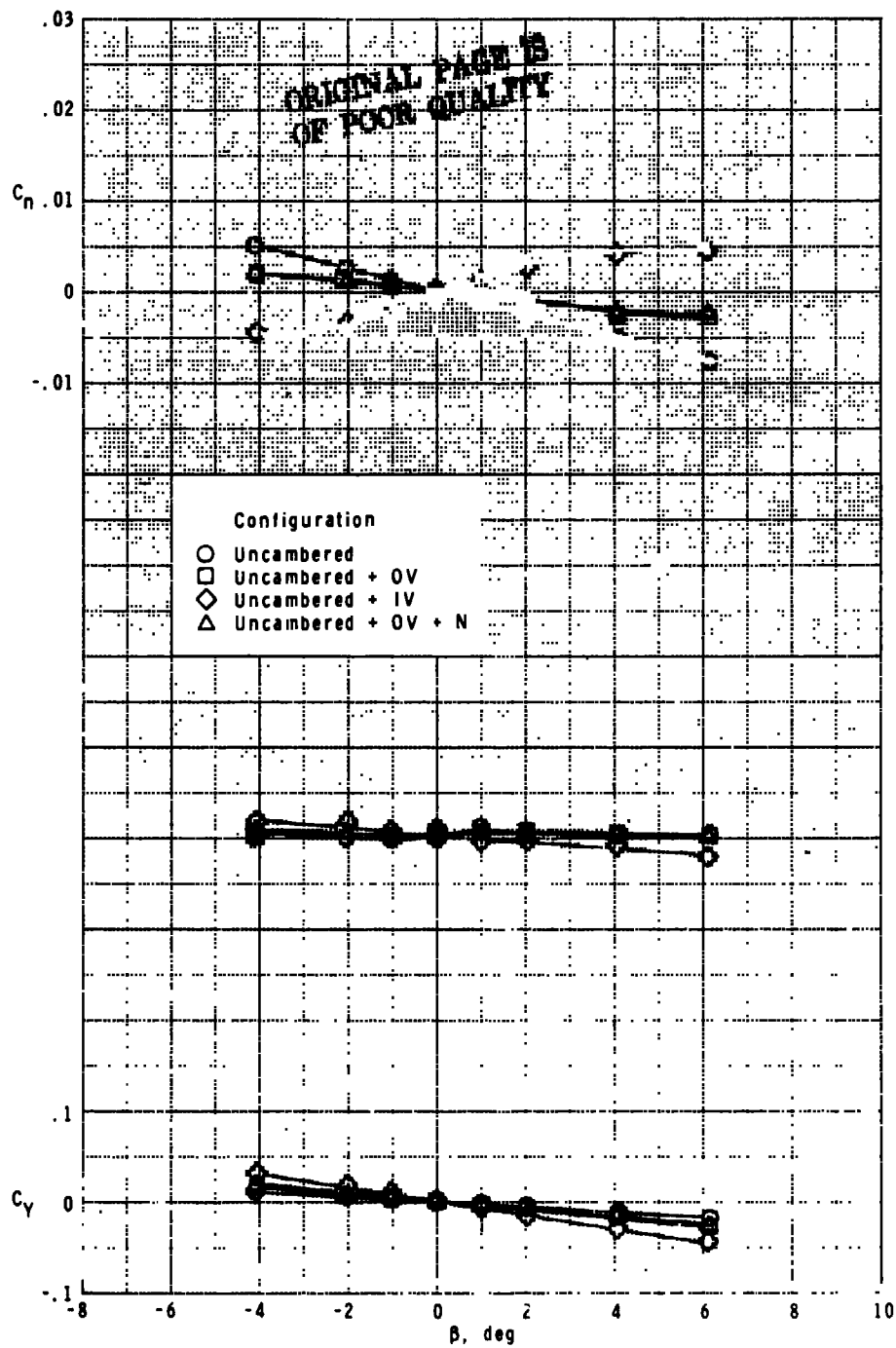
Figure 17.- Continued.



(c)  $M = 2.36$ .

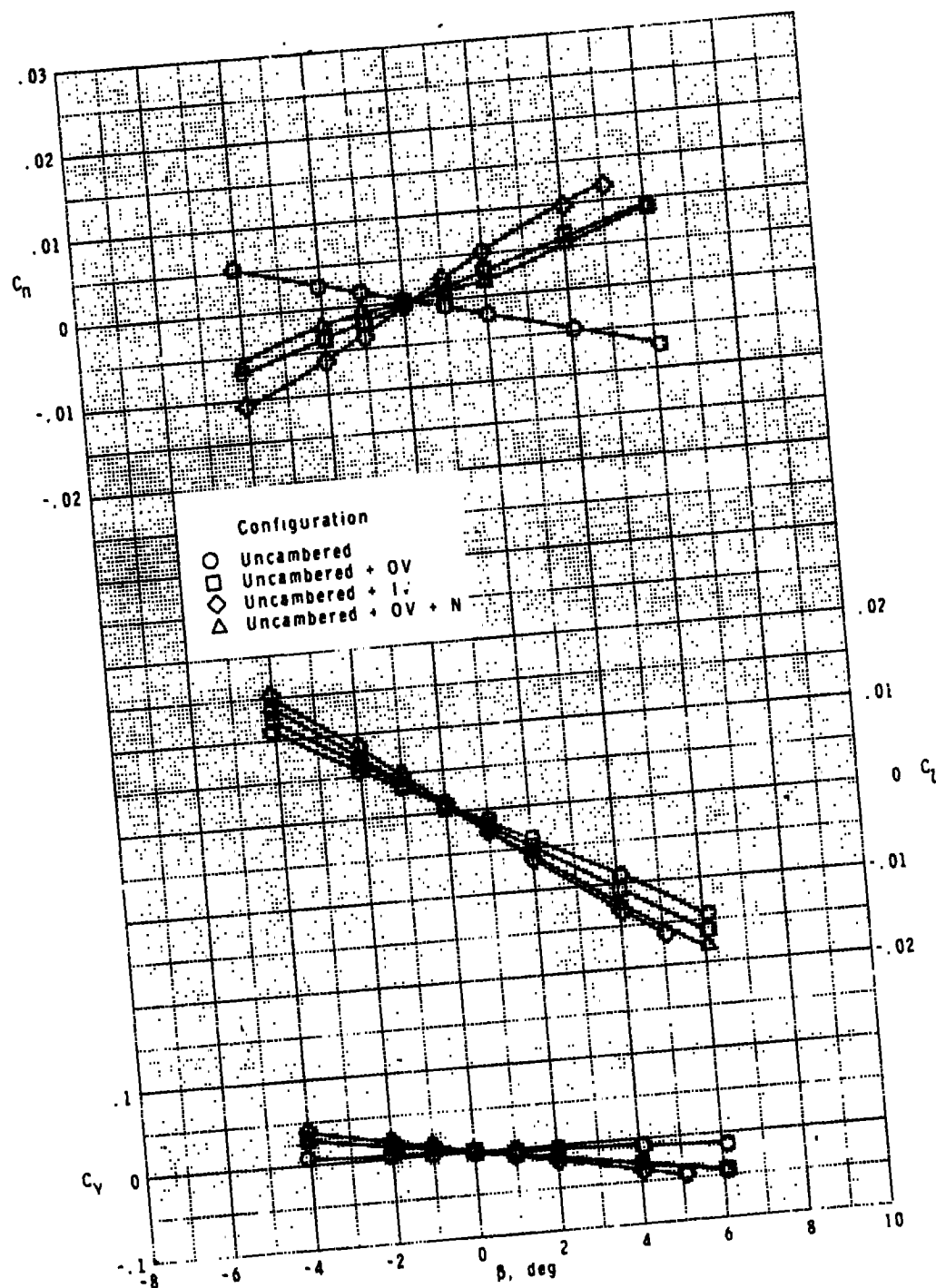
Figure 17.- Continued.





(d)  $M = 2.70$ .

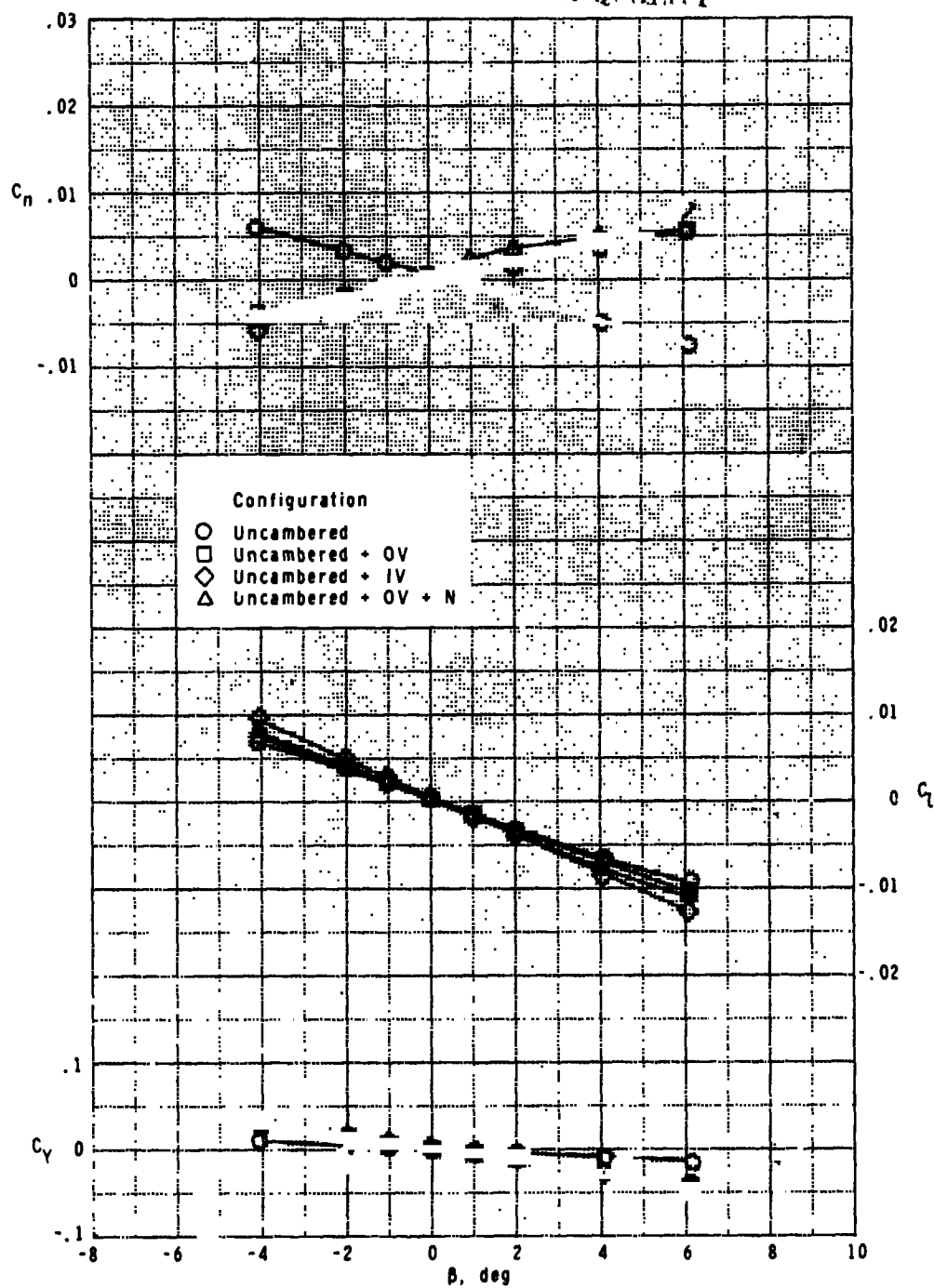
Figure 17.- Concluded.



(a)  $M = 1.60$ .

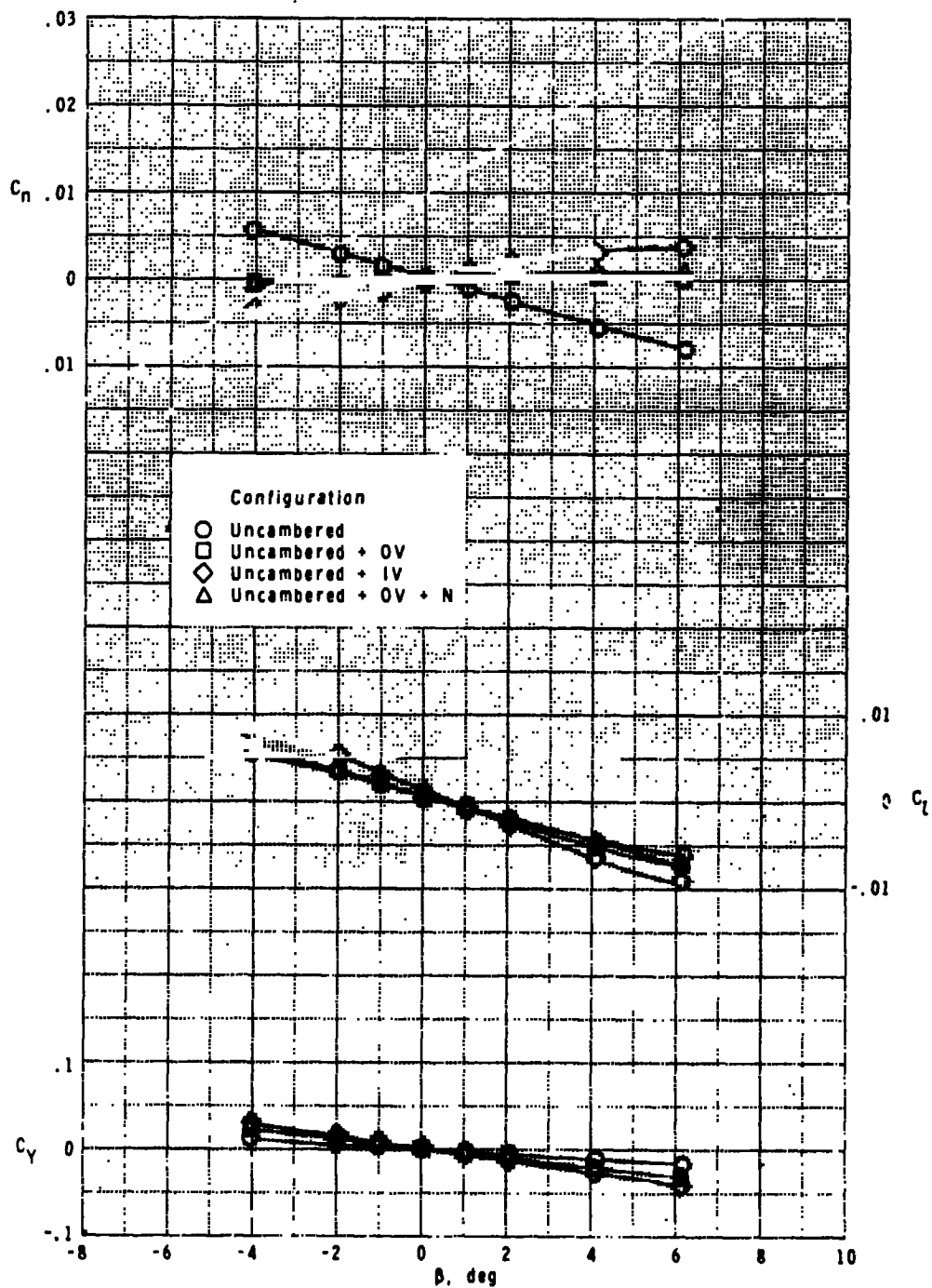
Figure 18.- Supersonic lateral aerodynamic characteristics of uncambered wing configurations at  $\alpha \approx 11.6^\circ$ .

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(b)  $M = 2.00$ .

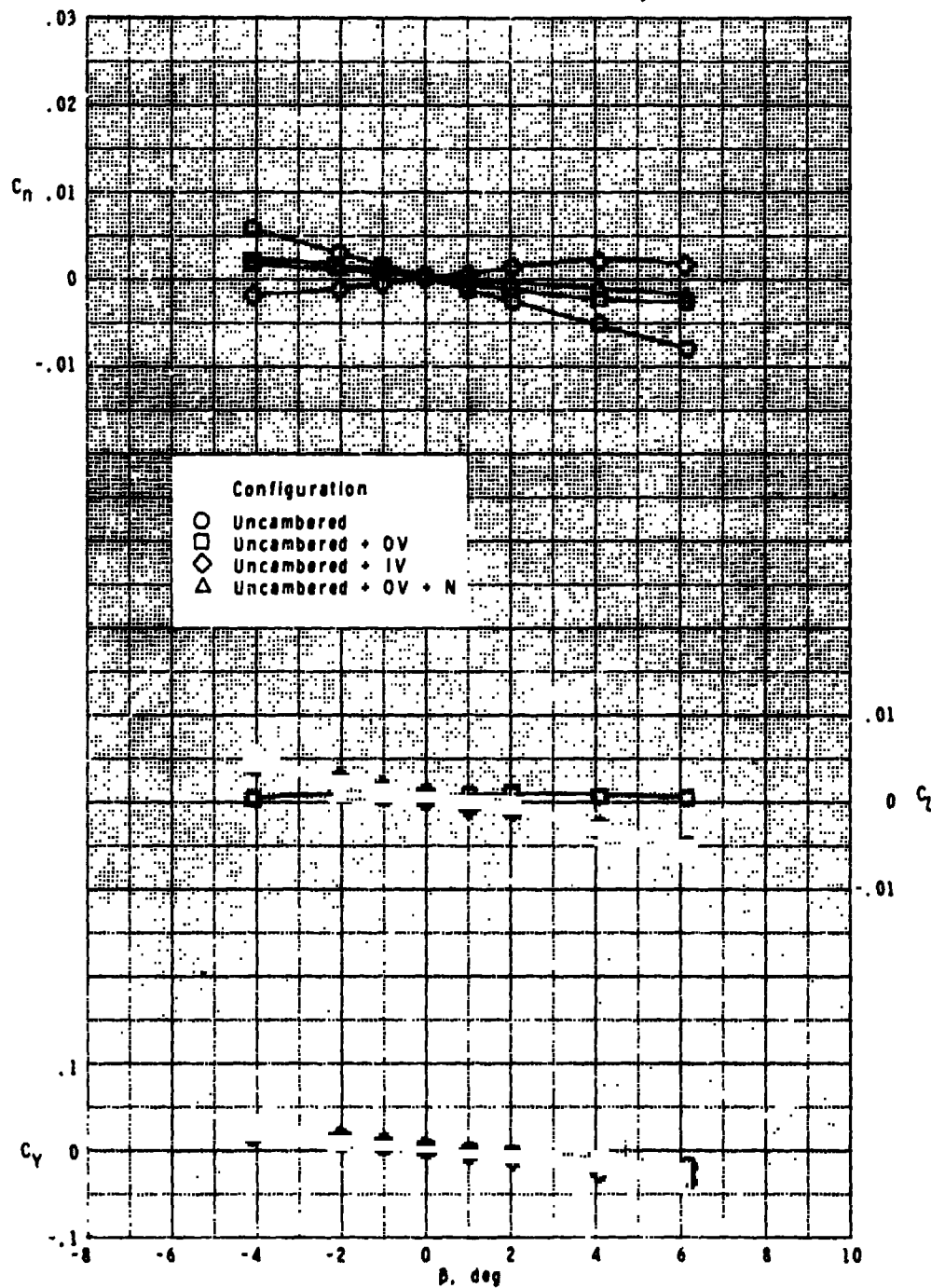
Figure 18.- Continued.



(c)  $M = 2.36$ .

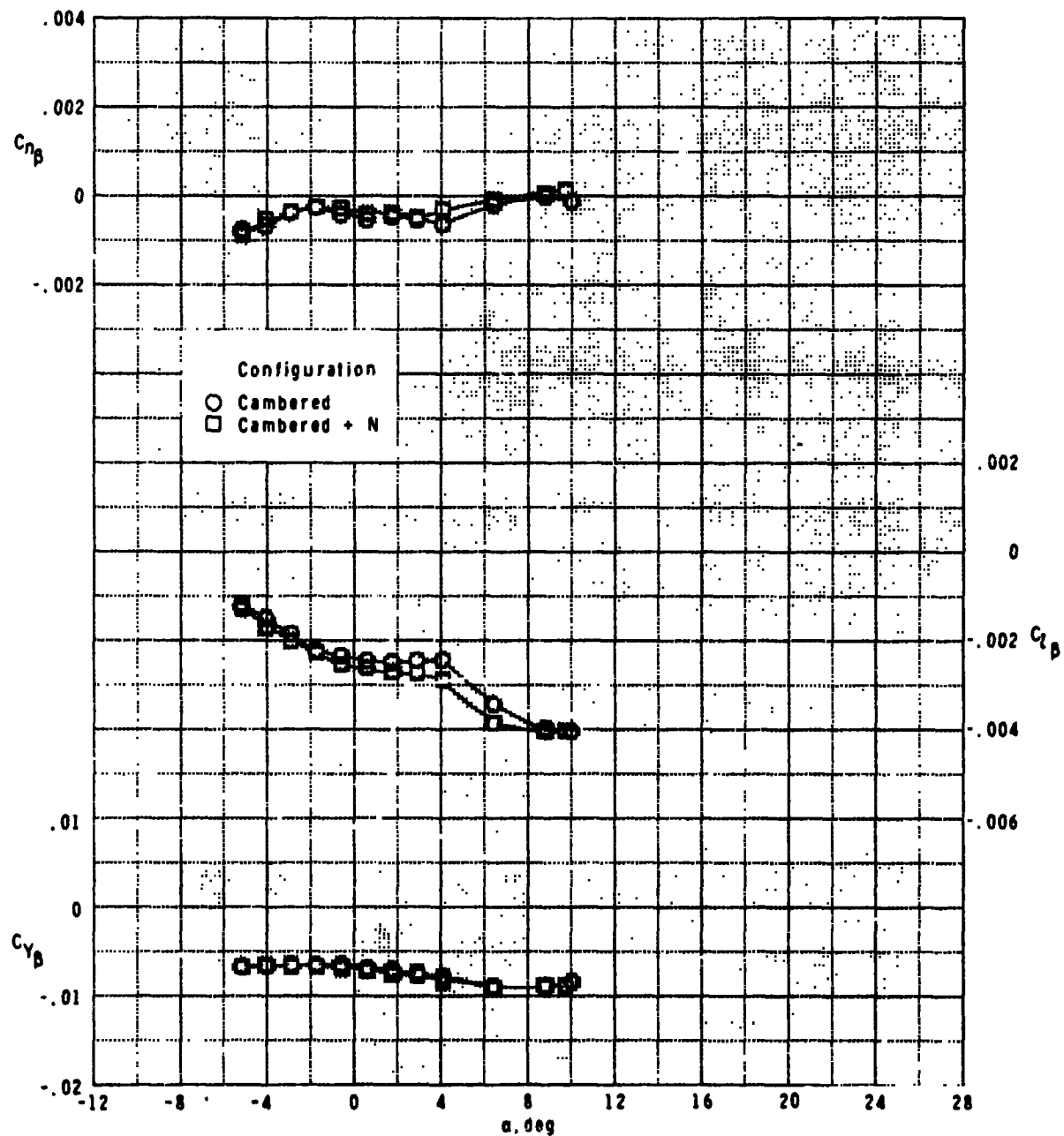
Figure 18.- Continued.

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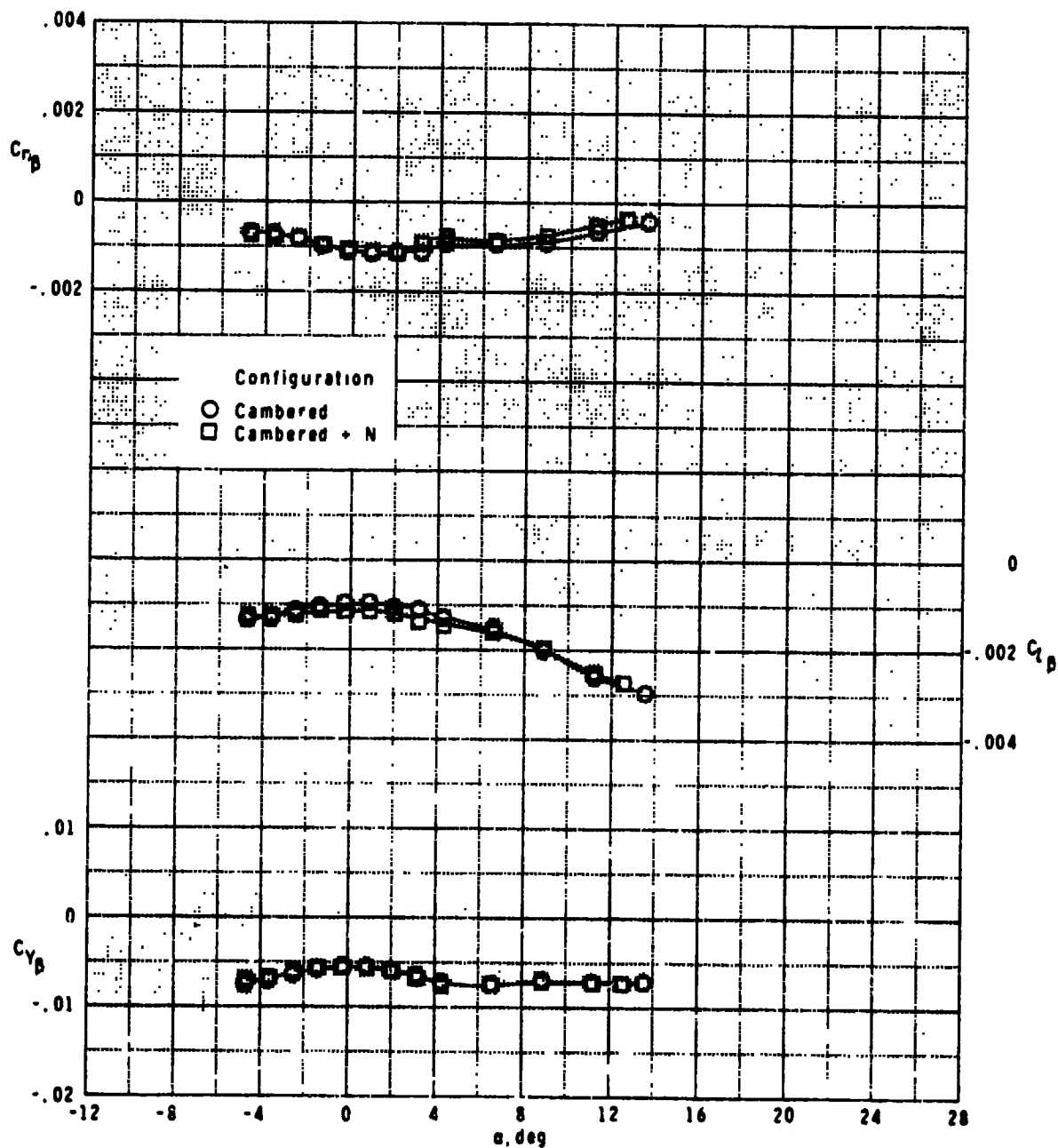
Figure 18.- Concluded.



(a)  $M = 1.60$ .

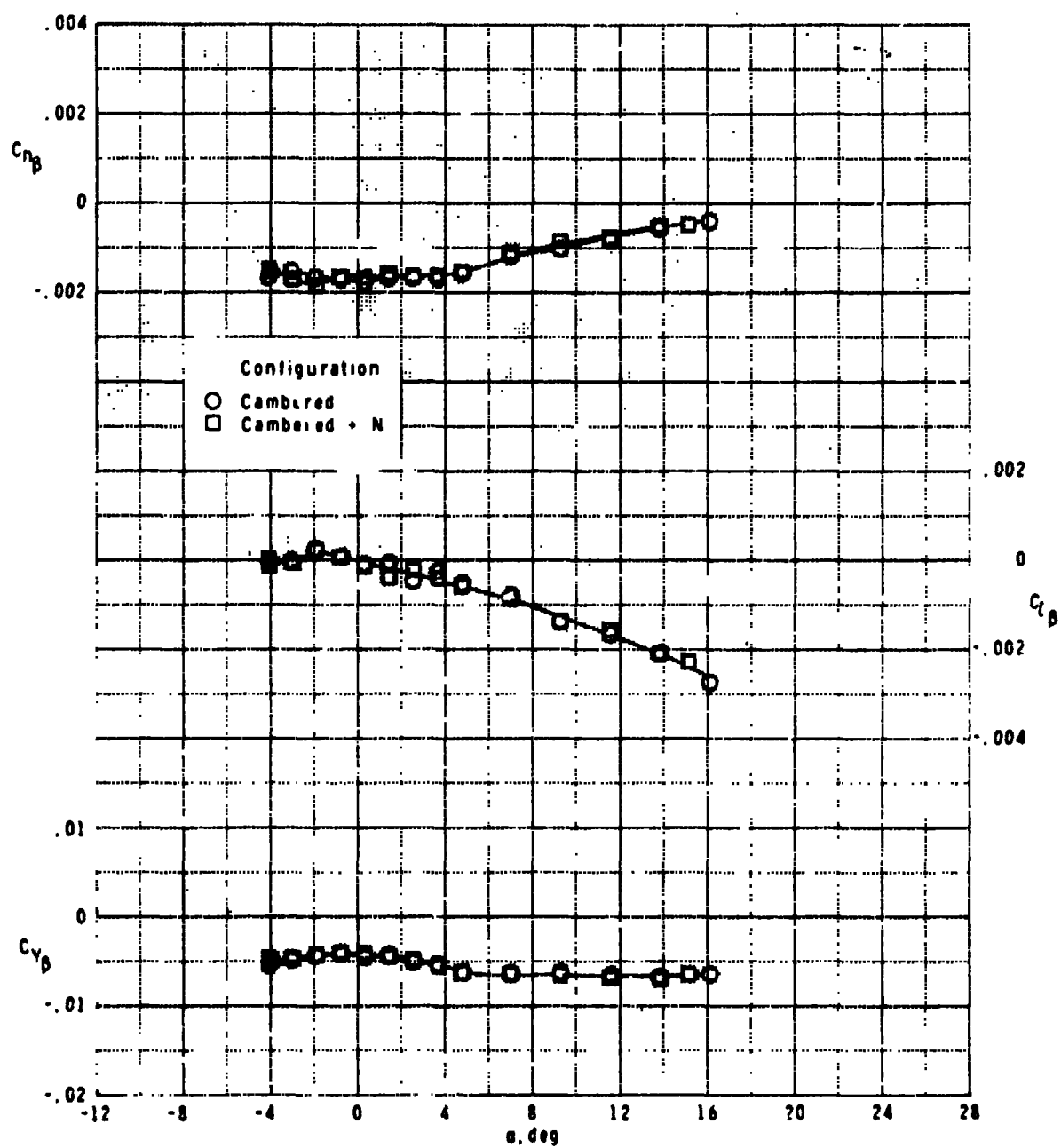
Figure 19.- Supersonic sideslip derivatives of cambered wing configurations.

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(b)  $M = 2.00$ .

Figure 19.- Continued.

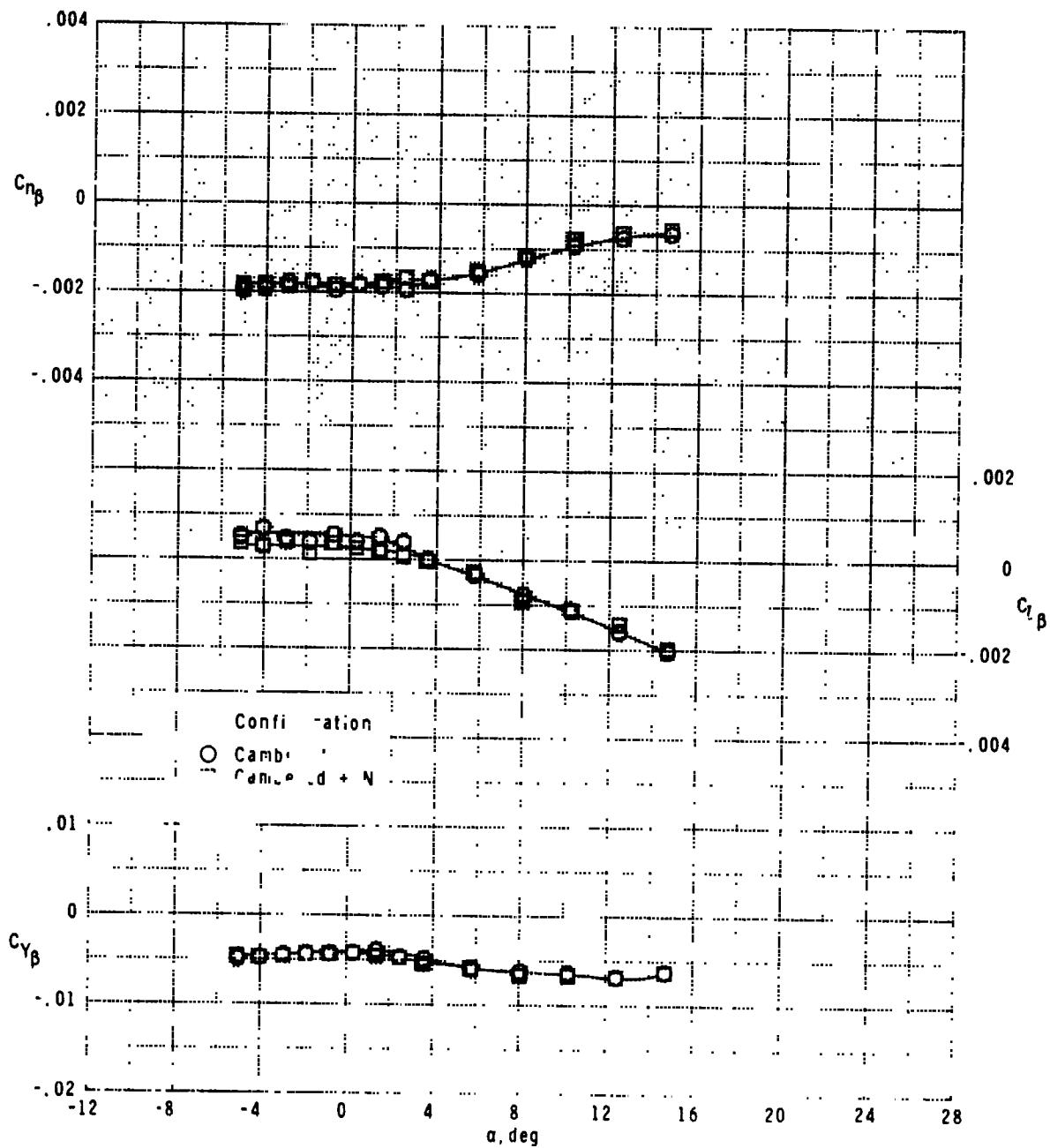


(c)  $M = 2.36$ .

Figure 19.- Continued.

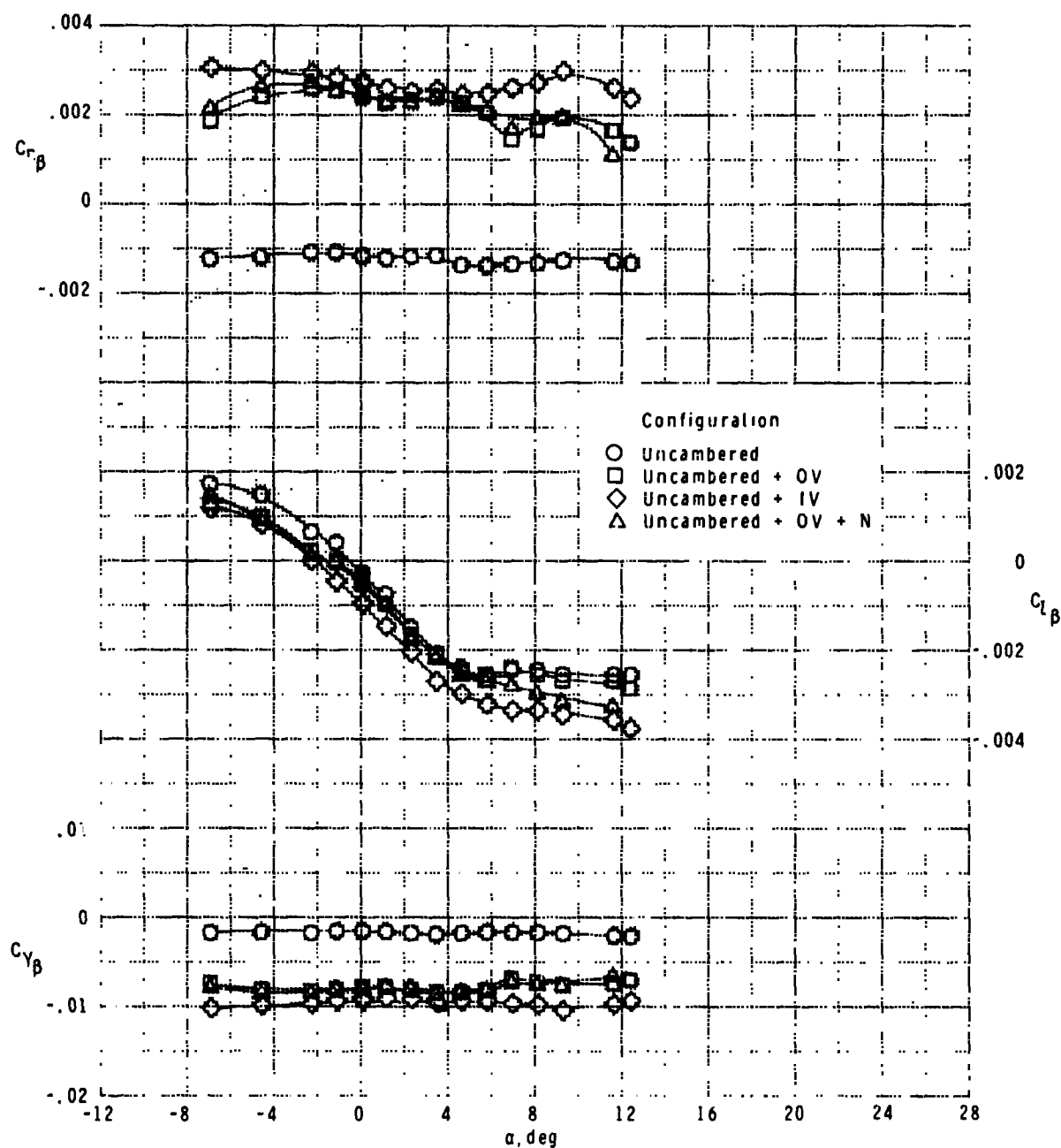


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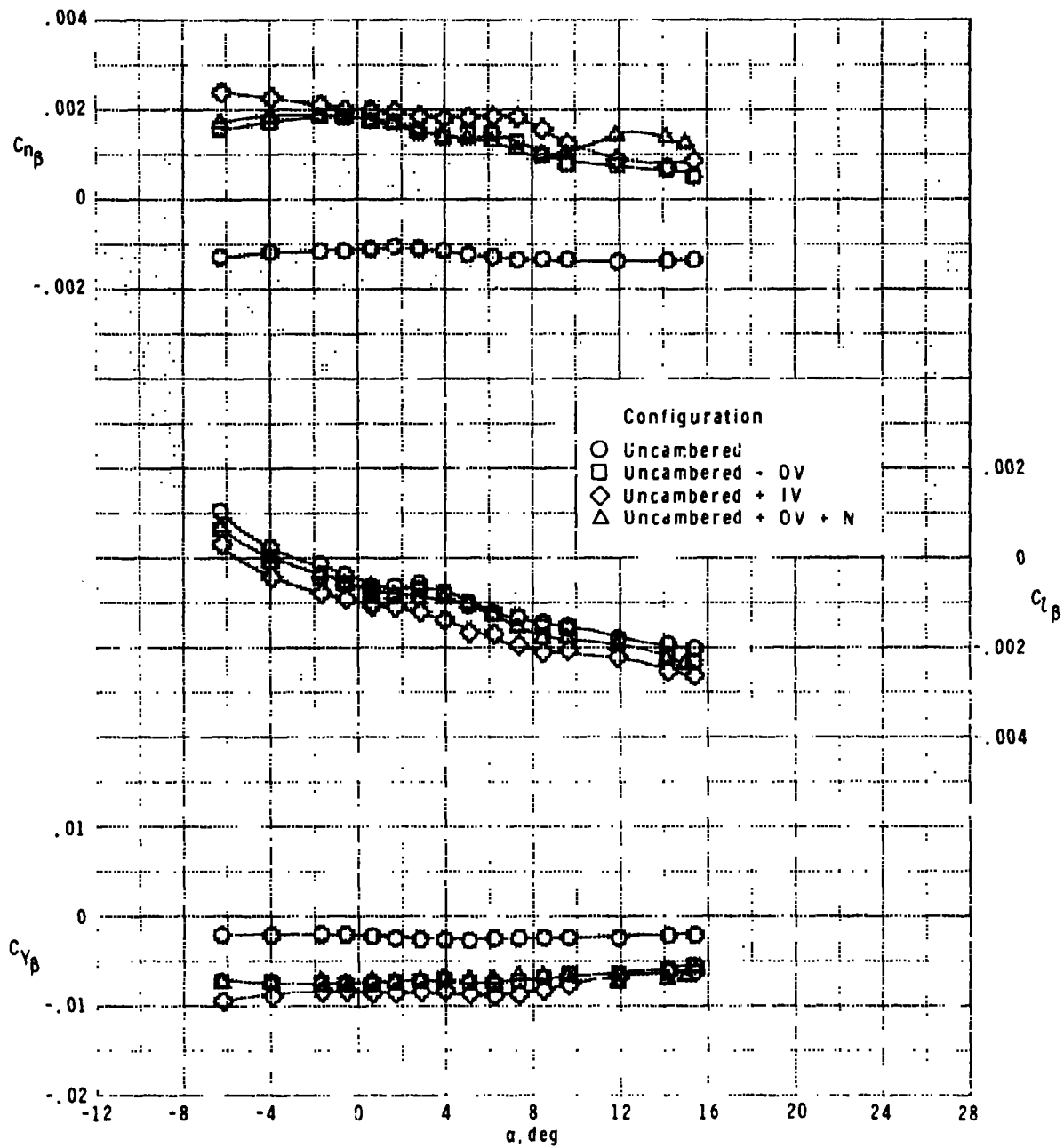
Figure 19.- Concluded.



(a)  $M = 1.60$ .

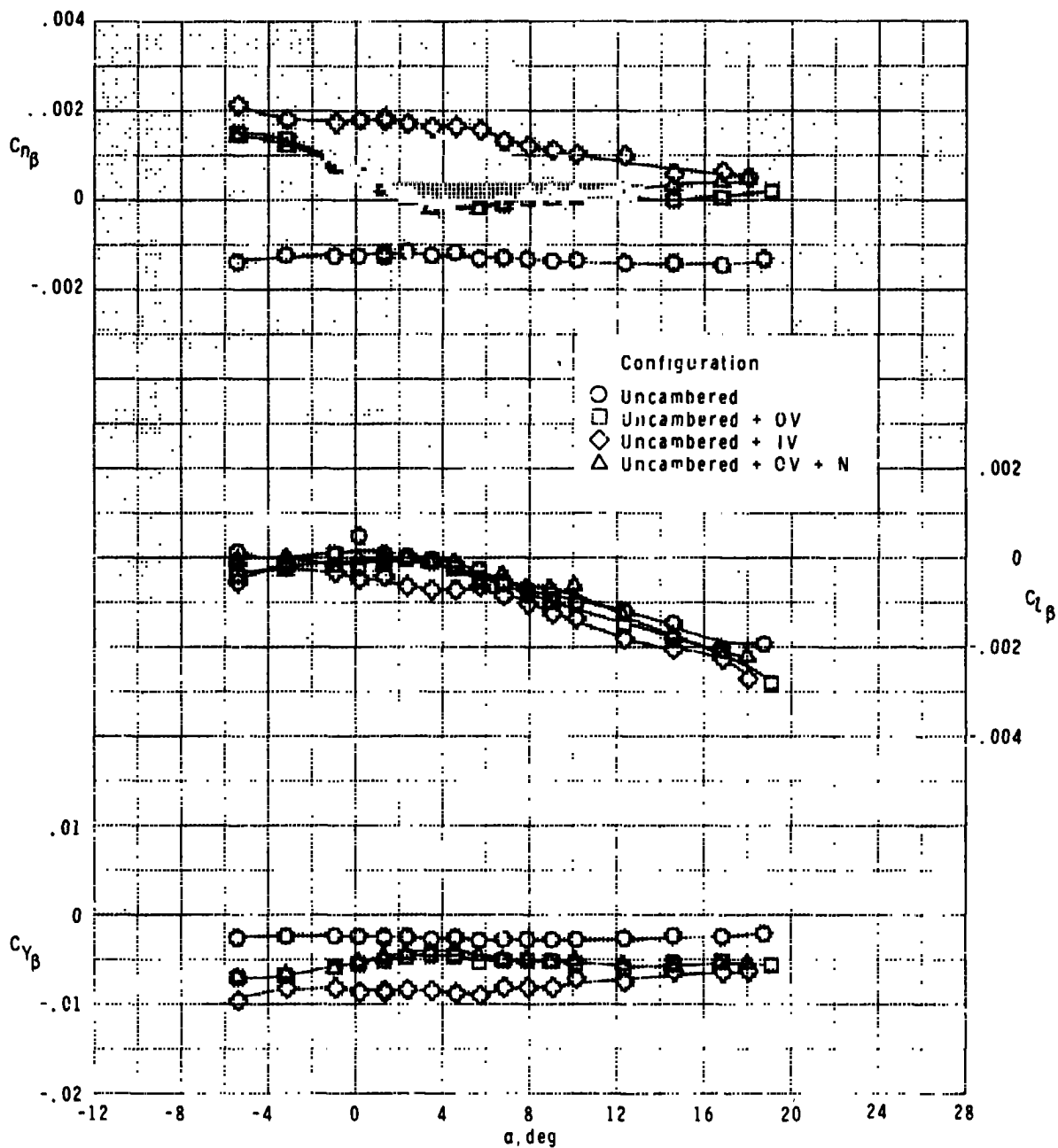
Figure 20.- Supersonic sideslip derivatives of uncambered wing configurations.

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(b)  $M = 2.00$ .

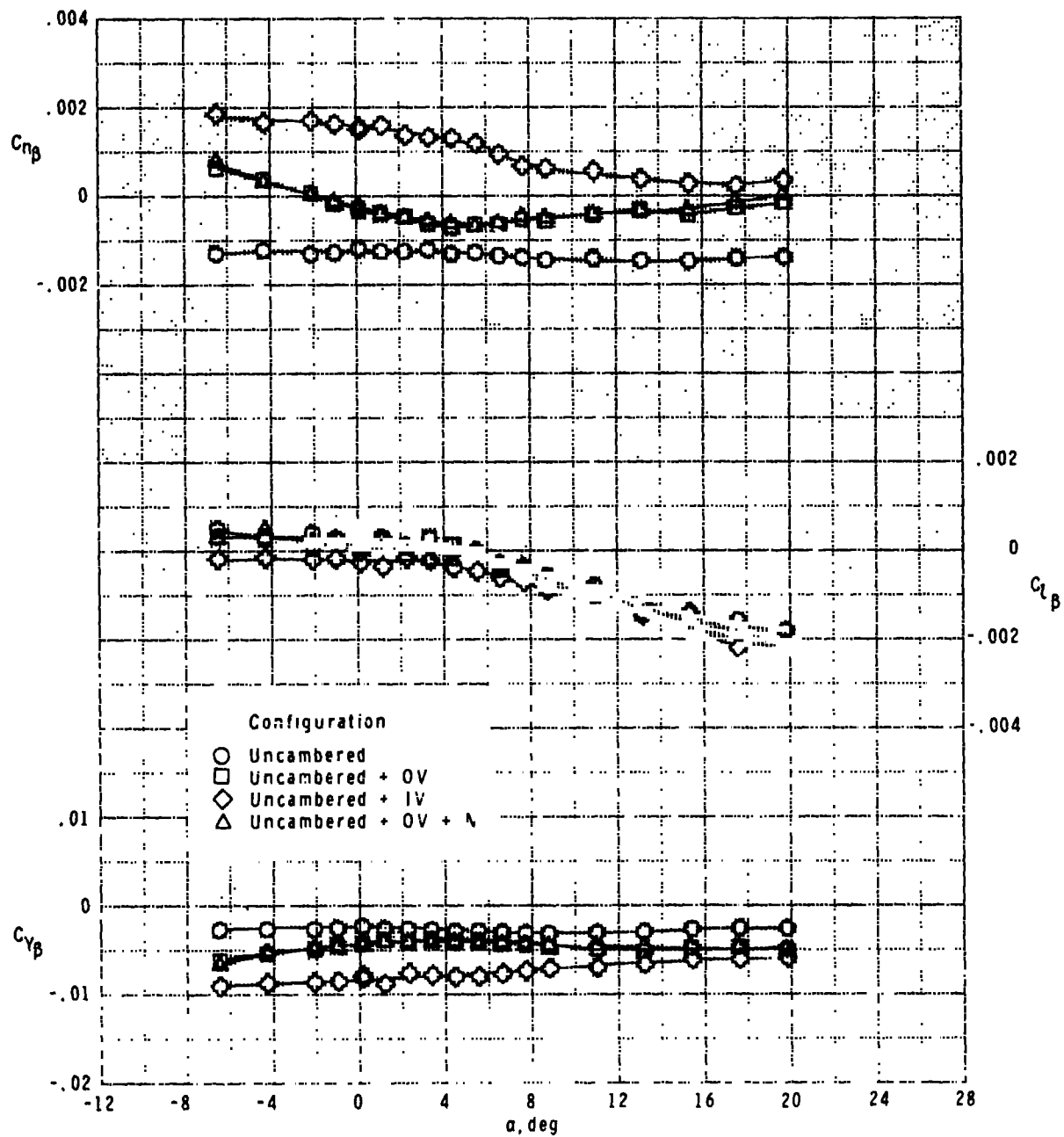
Figure 20.- Continued.



(c)  $M = 2.36.$

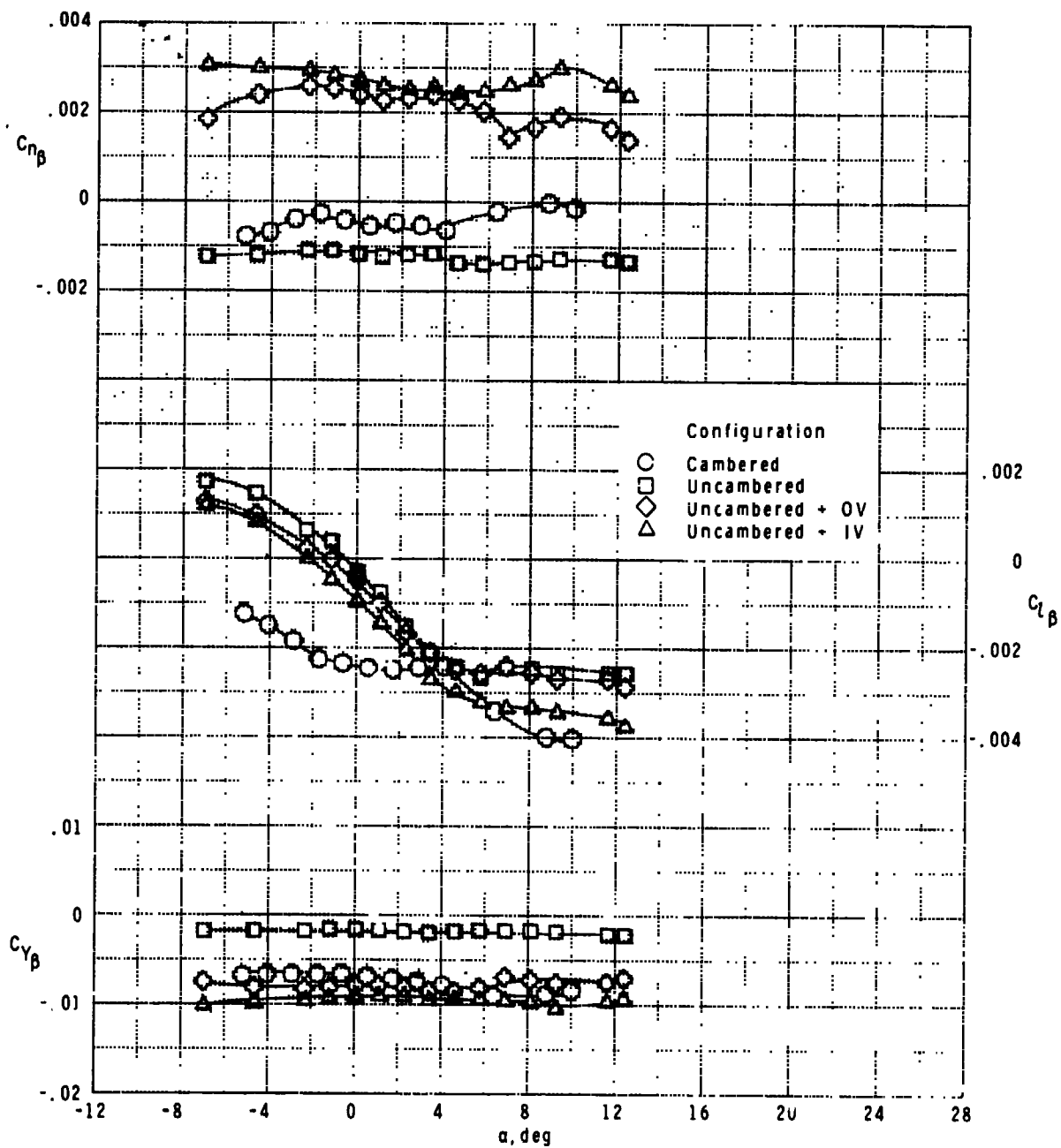
Figure 20.- Continued.

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(d)  $M = 2.70$ .

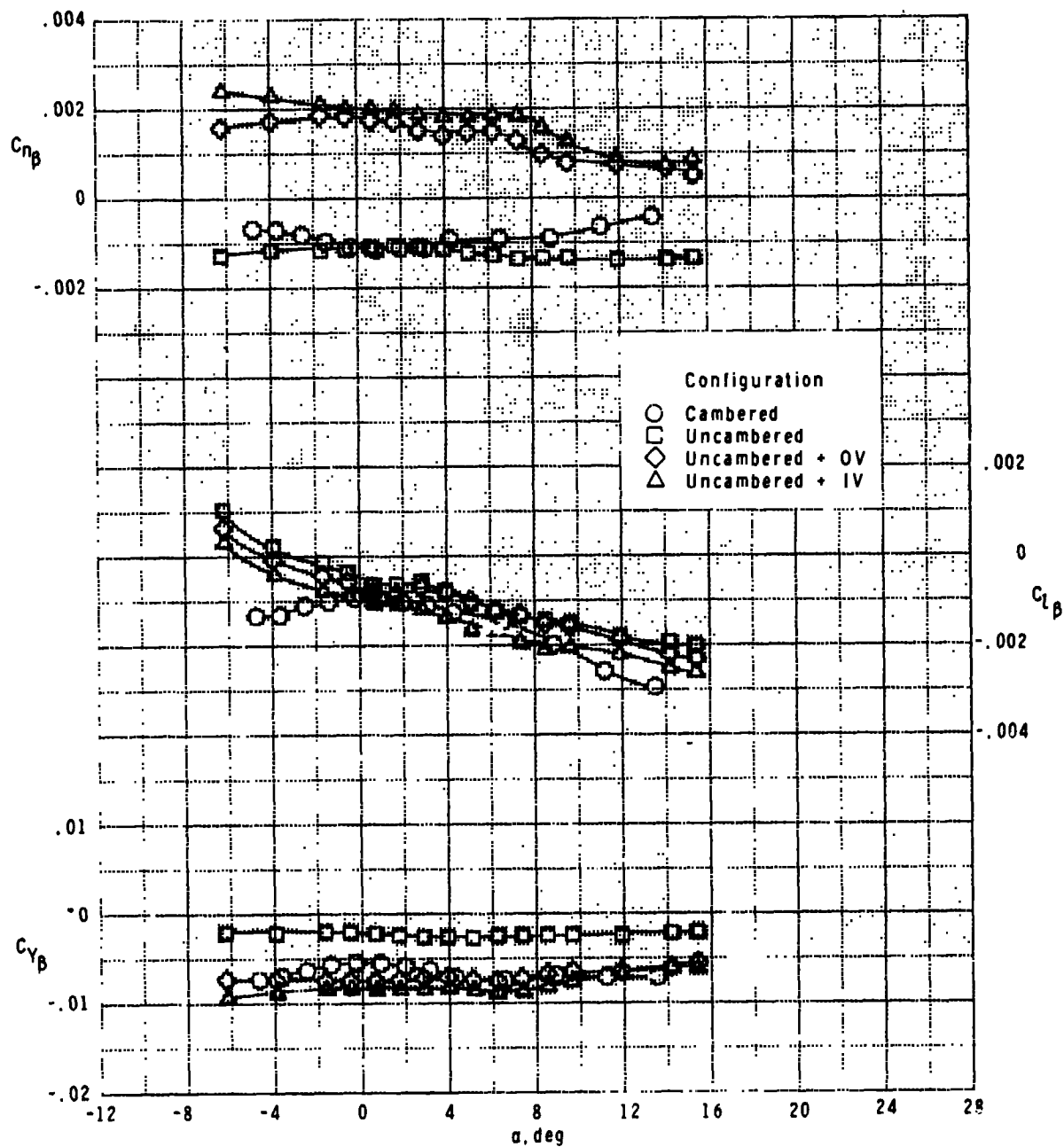
Figure 20.- Concluded.



(a)  $M = 1.60$ .

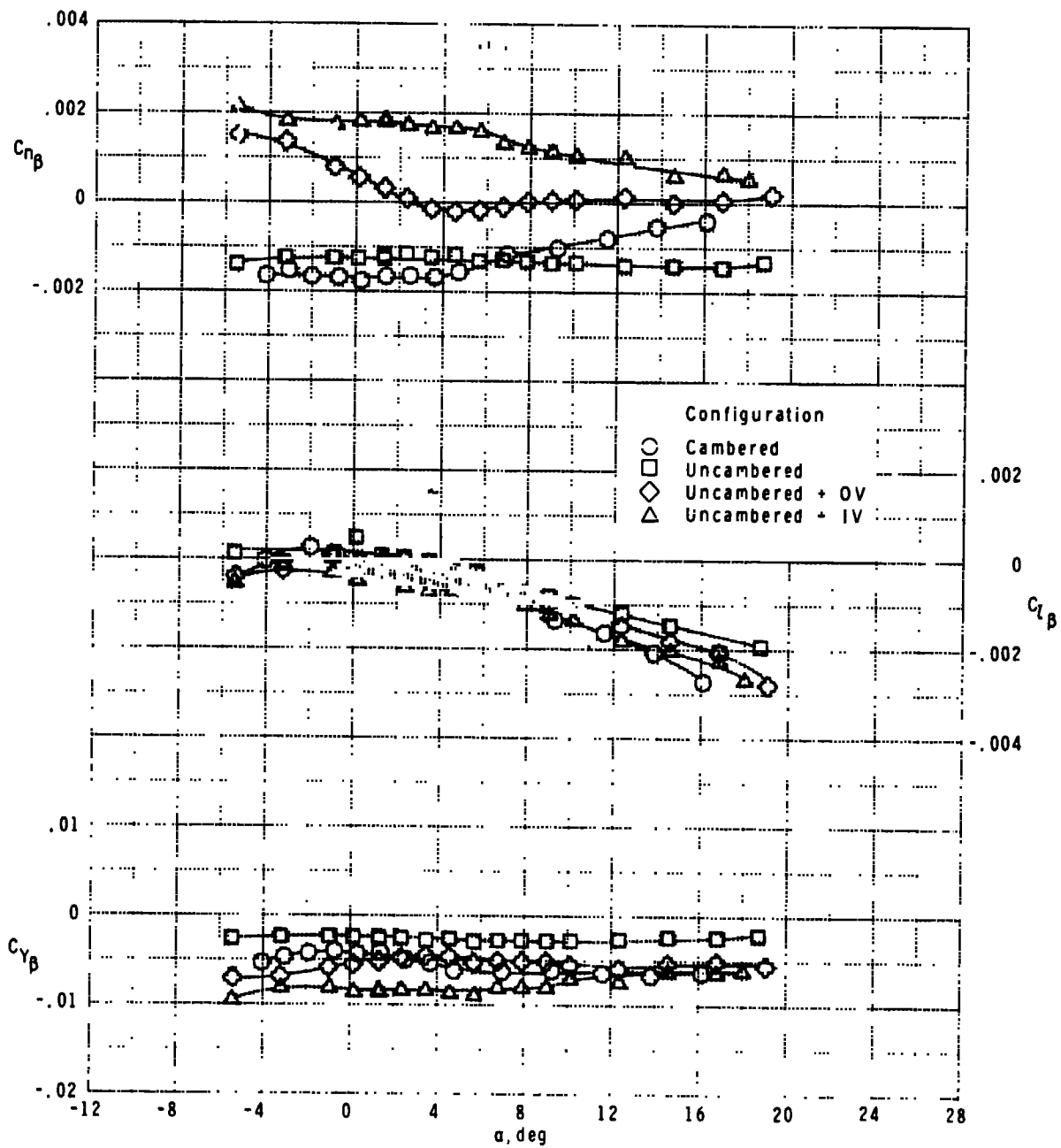
Figure 21.- Supersonic sideslip derivatives of cambered and uncambered wing configurations.

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(b)  $M = 2.00$ .

Figure 21.- Continued.

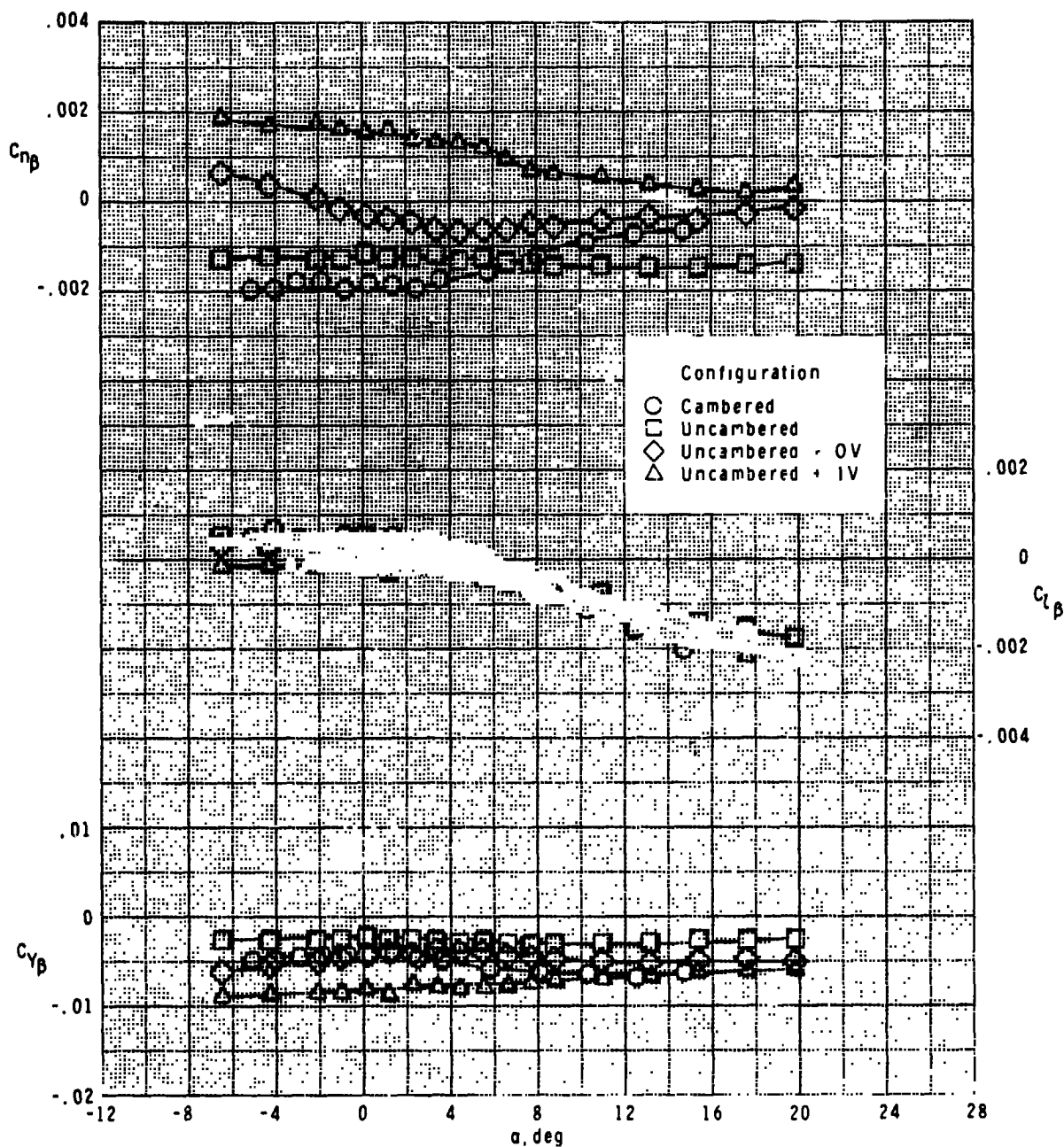


(c)  $M = 2.36$ .

Figure 21.- Continued.



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OF POOR QUALITY



(d)  $M = 2.70$ .

Figure 21 - Concluded.